

18

7/18/80

104

00610007 RF LEAD

GREEN III
Series III
TFP-1
%-ARSENIC
6/17/69

SAMPLE	SAM.WT.	%-COPPER	%-ANTIMONY	%-ARSENIC
S626A	12954.000	0.08023	0.74377	0.00304
S626B	13227.000	0.07352	0.68710	0.00311
S626C	16195.000	0.08021	0.72988	0.00325
		0.07799 AVG	0.72025 AVG	0.00313 AVG
		0.003866 SD	0.029535 SD	0.000108 SD
		4.957670 %RSD	4.100714 %RSD	3.460803 %RSD
S604A	14228.000	0.00665	1.81318	0.10615
S604B	12990.000	0.00665	1.76540	0.10123
S604C	13765.000	0.00632	1.66145	0.09330
		0.00654 AVG	1.74667 AVG	0.10023 AVG
		0.000190 SD	0.077578 SD	0.006485 SD
		2.904815 %RSD	4.441473 %RSD	6.470833 %RSD
Q452A1	14204.000	0.00250	0.11854	< 0.00068
Q452A2	15654.000	0.00216	0.10161	0.00066
Q452A3	17157.000	0.00227	0.11024	0.00073
		0.00231 AVG	0.11013 AVG	0.00069 AVG
		0.000170 SD	0.008465 SD	0.000058 SD
		7.351868 %RSD	7.686508 %RSD	8.298176 %RSD
Q452B1	12744.000	0.00233	0.03150	< 0.00051
Q452B2	14112.000	0.00215	0.03014	< 0.00054
Q452B3	11998.000	0.00232	0.03253	< 0.00062
		0.00227 AVG	0.03139 AVG	0.00000 AVG
		0.000097 SD	0.001200 SD	0.000000 SD
		4.296662 %RSD	3.824325 %RSD	0.000000 %RSD
Q452C1	12651.000	0.00248	0.12272	< 0.00067
Q452C2	12779.000	0.00235	0.11399	< 0.00070
Q452C3	12493.000	0.00264	0.13253	< 0.00083
		0.00249 AVG	0.12308 AVG	0.00000 AVG
		0.000147 SD	0.009276 SD	0.000000 SD
		5.904536 %RSD	7.536684 %RSD	0.000000 %RSD
Q452D1	12322.000	0.00217	0.03086	< 0.00065
Q452D2	12570.000	0.00226	0.02944	< 0.00070
Q452D3	12143.000	0.00211	0.02900	< 0.00073
		0.00218 AVG	0.02977 AVG	0.00000 AVG
		0.000075 SD	0.000972 SD	0.000000 SD
		3.460251 %RSD	3.267067 %RSD	0.000000 %RSD
Q452E1	12603.000	0.00247	0.11247	< 0.00081
Q452E2	12908.000	0.00213	0.09896	< 0.00075
Q452E3	12857.000	0.00231	0.11230	< 0.00072
		0.00231 AVG	0.10791 AVG	0.00000 AVG
		0.000171 SD	0.007751 SD	0.000000 SD

Q452F1	15320.000	0.00186	0.02160	<	0.00055
Q452F2	18259.000	0.00177	0.02050	<	0.00043
Q452F3	16965.000	0.00186	0.02265	<	0.00046
		0.00183 AVG	0.02160 AVG		0.00000 AVG
		0.000051 SD	0.001072 SD		0.000000 SD
		2.766413 %RSD	4.965858 %RSD		0.000000 %RSD
Q452G1	14469.000	0.00228	0.12004	<	0.00066
Q452G2	14637.000	0.00246	0.11514		0.00118
Q452G3	13442.000	0.00249	0.12442		0.00092
		0.00241 AVG	0.11987 AVG		0.00105 AVG
		0.000116 SD	0.004645 SD		0.000429 SD
		4.805426 %RSD	3.874922 %RSD		40.813816 %RSD
Q452H1	12678.000	0.00243	0.12177	<	0.00082
Q452H2	13003.000	0.00232	0.11910		0.00093
Q452H3	12660.000	0.00251	0.12670		0.00089
		0.00242 AVG	0.12252 AVG		0.00091 AVG
		0.000096 SD	0.003856 SD		0.000096 SD
		3.944732 %RSD	3.147298 %RSD		10.523136 %RSD
Q452I1	13177.000	0.00224	0.03192	<	0.00069
Q452I2	12790.000	0.00282	0.02798	<	0.00068
Q452I3	12589.000	0.00218	0.03212	<	0.00069
		0.00241 AVG	0.03068 AVG		0.00000 AVG
		0.000351 SD	0.002336 SD		0.000000 SD
		14.524958 %RSD	7.615320 %RSD		0.000000 %RSD
Q452J1	13118.000	0.00217	0.02891	<	0.00064
Q452J2	13406.000	0.00213	0.02811	<	0.00068
Q452J3	13022.000	0.00251	0.03235	<	0.00071
		0.00227 AVG	0.02979 AVG		0.00000 AVG
		0.000212 SD	0.002255 SD		0.000000 SD
		9.340387 %RSD	7.570175 %RSD		0.000000 %RSD
Q452K1	15007.000	0.00150	0.01317	<	0.00056
Q452K2	13829.000	0.00172	0.01264	<	0.00072
Q452K3	13208.000	0.00177	0.01453	<	0.00064
		0.00167 AVG	0.01345 AVG		0.00000 AVG
		0.000145 SD	0.000976 SD		0.000000 SD
		8.683473 %RSD	7.253964 %RSD		0.000000 %RSD
Q452L1	13259.000	0.00215	0.10274		0.00083
Q452L2	12391.000	0.00224	0.10085	<	0.00092
Q452L3	11829.000	0.00220	0.10213	<	0.00093
		0.00219 AVG	0.10191 AVG		0.00083 AVG
		0.000048 SD	0.000967 SD		0.000000 SD
		2.207462 %RSD	0.948929 %RSD		0.000000 %RSD

Q453A2	13128.000	0.00289	0.14867	0.00147
Q453A3	12462.000	0.00314	0.17250	0.00177
		0.00304 AVG	0.16380 AVG	0.00150 AVG
		0.000129 SD	0.013274 SD	0.000263 SD
		4.247935 %RSD	8.103646 %RSD	17.597658 %RSD
Q453B1	12757.000	0.00206	0.09181	< 0.00069
Q453B2	12567.000	0.00204	0.08271	0.00086
Q453B3	12849.000	0.00187	0.08666	0.00079
		0.00199 AVG	0.08706 AVG	0.00083 AVG
		0.000104 SD	0.004561 SD	0.000147 SD
		5.223022 %RSD	5.238752 %RSD	17.739655 %RSD
Q453C1	14088.000	0.00442	0.34229	0.00268
Q453C2	12667.000	0.00418	0.31423	0.00339
Q453C3	12831.000	0.00457	0.33919	0.00248
		0.00439 AVG	0.33190 AVG	0.00285 AVG
		0.000200 SD	0.015386 SD	0.000479 SD
		4.543305 %RSD	4.635687 %RSD	16.774681 %RSD
Q453D1	14336.000	0.00272	0.16362	0.00118
Q453D2	15490.000	0.00286	0.16701	0.00131
Q453D3	13686.000	0.00288	0.17546	0.00172
		0.00282 AVG	0.16870 AVG	0.00140 AVG
		0.000085 SD	0.006100 SD	0.000284 SD
		3.004785 %RSD	3.616045 %RSD	20.285419 %RSD
Q453E1	14204.000	0.00702	0.11811	< 0.00078
Q453E2	13197.000	0.00651	0.11358	< 0.00083
Q453E3	10815.000	0.00751	0.12072	< 0.00088
		0.00701 AVG	0.11747 AVG	0.00000 AVG
		0.000504 SD	0.003613 SD	0.000000 SD
		7.188731 %RSD	3.075314 %RSD	0.000000 %RSD
Q453F1	12746.000	0.00458	0.33004	0.00346
Q453F2	13541.000	0.00385	0.29867	0.00274
Q453F3	12744.000	0.00503	0.32148	0.00336
		0.00449 AVG	0.31673 AVG	0.00319 AVG
		0.000597 SD	0.016219 SD	0.000395 SD
		13.300282 %RSD	5.120804 %RSD	12.378890 %RSD
Q453G1	13108.000	0.00721	0.12012	< 0.00079
Q453G2	12529.000	0.00759	0.11783	< 0.00088
Q453G3	12679.000	0.00692	0.11066	< 0.00079
		0.00724 AVG	0.11620 AVG	0.00000 AVG
		0.000337 SD	0.004936 SD	0.000000 SD
		4.656001 %RSD	4.247676 %RSD	0.000000 %RSD
Q453H1	12863.000	0.00385	0.28868	0.00267
Q453H2	12777.000	0.00420	0.32969	0.00313
Q453H3	13120.000	0.00441	0.34100	0.00364

0.00415 AVG	0.31979 AVG	0.00315 AVG
0.000283 SD	0.027531 SD	0.000483 SD
6.811144 %RSD	8.60701 %RSD	15.349783 %RSD

Q453I1	12314.000
Q453I2	12555.000
Q453I3	13019.000

0.00412	0.30099	0.00272
0.00440	0.32342	0.00352
0.00445	0.32136	0.00340
0.00433 AVG	0.31526 AVG	0.00321 AVG
0.000177 SD	0.012398 SD	0.000431 SD
4.094349 %RSD	3.932783 %RSD	13.413260 %RSD

Q453J1	12988.000
Q453J2	13584.000
Q453J3	12750.000

0.00215	0.08775	<	0.00083
0.00190	0.08343		0.00076
0.00208	0.08532		0.00079
0.00204 AVG	0.08550 AVG		0.00078 AVG
0.000130 SD	0.002163 SD		0.000055 SD
6.358507 %RSD	2.529665 %RSD		7.082099 %RSD

Q453K1	13343.000
Q453K2	12956.000
Q453K3	13609.000

0.00204	0.06853	<	0.00079
0.00201	0.06916	<	0.00083
0.00212	0.07594	<	0.00076
0.00206 AVG	0.07121 AVG		0.00000 AVG
0.000057 SD	0.004109 SD		0.000000 SD
2.780662 %RSD	5.770149 %RSD		0.000000 %RSD

Q453L1	13471.000
Q453L2	13247.000
Q453L3	14366.000

0.00453	0.32507		0.00304
0.00439	0.31599		0.00334
0.00460	0.34797		0.00383
0.00451 AVG	0.32968 AVG		0.00340 AVG
0.000111 SD	0.016481 SD		0.000396 SD
2.452739 %RSD	4.999161 %RSD		11.645648 %RSD

Q1038A1	13645.000
Q1038A2	13386.000
Q1038A3	13952.000

0.00224	0.03105	<	0.00066
0.00201	0.02849	<	0.00082
0.00220	0.03186	<	0.00069
0.00215 AVG	0.03047 AVG		0.00000 AVG
0.000118 SD	0.001760 SD		0.000000 SD
5.501431 %RSD	5.774500 %RSD		0.000000 %RSD

Q1038B1	13122.000
Q1038B2	13666.000
Q1038B3	12644.000

0.00233	0.11305	<	0.00078
0.00198	0.10369	<	0.00083
0.00235	0.11101	<	0.00098
0.00222 AVG	0.10925 AVG		0.00000 AVG
0.000204 SD	0.004920 SD		0.000000 SD
9.199368 %RSD	4.503106 %RSD		0.000000 %RSD

Q1038C1	14075.000
Q1038C2	13181.000
Q1038C3	12648.000

0.00233	0.10975		0.00077
0.00203	0.10668	<	0.00091
0.00203	0.11086	<	0.00084
0.00213 AVG	0.10910 AVG		0.00077 AVG
0.000174 SD	0.002164 SD		0.000000 SD

5.180706 %RSD

1.783873 %RSD

0.000000 %RSD

Q1038D1	15036.000	0.00185	0.1070		0.00093
Q1038D2	15328.000	0.00218	0.10395	<	0.00083
Q1038D3	14855.000	0.00221	0.11279		0.00085
Q1038E1	16836.000	0.00154	0.01229	<	0.00057
Q1038E2	17219.000	0.00142	0.01147	<	0.00059
		0.00172 AVG	0.04552 AVG		0.00085 AVG
		0.000422 SD	0.058259 SD		0.000000 SD
		24.511415 %RSD	127.998093 %RSD		0.000000 %RSD
Q1038E3	17528.000	0.00146	0.01214	<	0.00055

Green Hill
 Series III
 Irr-1
 6/17/80.

(TI)TITLE: 00610007 RF LEAD
 (LN)LIBRARY:
 (SA)SAMPLE TIME: 17JUN80 0920:00
 (SE)STD ENERGY TOLERANCE: 2.00
 (UE)UNK ENERGY TOLERANCE: 2.00
 (TF)THERMAL FLUX: 0.0000E-01
 (EF)EPITHERMAL FLUX: 0.0000E-01
 (FF)FAST FLUX: 0.0000E-01
 (QU)UNITS: UG

	ELEMENT	ENERGY	HALF-LIFE	SEC
1	%-COPPER	511.00	1.2800E 01 H	4.6080E 04
2	%-ANTIMONY	564.09	2.7200E 00 D	2.3501E 05
3	%-ARSENIC	657.41	2.6300E 01 H	9.4680E 04

STANDARD SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	12954.00	FBI1 .A01	100.0	100000.0
2	S626B	13227.00	FBI1 .A02	100.0	100000.0
3	S626C	16195.00	FBI1 .A03	100.0	100000.0
4	S604A	14228.00	FBI1 .A04	100.0	100000.0
5	S604B	12990.00	FBI1 .A05	100.0	100000.0
6	S604C	13765.00	FBI1 .A06	100.0	100000.0

STD: 1 S626A FILE= FBI1 .A01

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 2 S626B FILE= FBI1 .A02

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 3 S626C FILE= FBI1 .A03

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 4 S604A FILE= FBI1 .A04

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

ELEMENT	ENERGY	CONC	ERROR
1 %-COPPER	511.00	0.0000E-01	0.0000E-01
2 %-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3 %-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 6 S604C FILE= FBI1 .A06

ELEMENT	ENERGY	CONC	ERROR
1 %-COPPER	511.00	0.0000E-01	0.0000E-01
2 %-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3 %-ARSENIC	657.41	1.0000E-01	0.0000E-01

UNKNOWN SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	12954.00	FBI1 .A01	100.0	100000.0
2	S626B	13227.00	FBI1 .A02	100.0	100000.0
3	S626C	16195.00	FBI1 .A03	100.0	100000.0
4	S604A	14228.00	FBI1 .A04	100.0	100000.0
5	S604B	12990.00	FBI1 .A05	100.0	100000.0
6	S604C	13765.00	FBI1 .A06	100.0	100000.0
7	Q452A1	14204.00	FBI1 .A07	100.0	100000.0
8	Q452A2	15654.00	FBI1 .A08	100.0	100000.0
9	Q452A3	17157.00	FBI1 .A09	100.0	100000.0
10	Q452B1	12744.00	FBI1 .A10	100.0	100000.0
11	Q452B2	14112.00	FBI1 .A11	100.0	100000.0
12	Q452B3	11998.00	FBI1 .A12	100.0	100000.0
13	Q452C1	12651.00	FBI1 .A13	100.0	100000.0
14	Q452C2	12779.00	FBI1 .A14	100.0	100000.0
15	Q452C3	12493.00	FBI1 .A15	100.0	100000.0
16	Q452D1	12322.00	FBI1 .A16	100.0	100000.0
17	Q452D2	12570.00	FBI1 .A17	100.0	100000.0
18	Q452D3	12143.00	FBI1 .A18	100.0	100000.0
19	Q452E1	12603.00	FBI1 .A19	100.0	100000.0
20	Q452E2	12908.00	FBI1 .A20	100.0	100000.0
21	Q452E3	12857.00	FBI1 .A21	100.0	100000.0
22	Q452F1	15320.00	FBI1 .A22	100.0	100000.0
23	Q452F2	18259.00	FBI1 .A23	100.0	100000.0
24	Q452F3	16965.00	FBI1 .A24	100.0	100000.0
25	Q452G1	14469.00	FBI1 .A25	100.0	100000.0
26	Q452G2	14637.00	FBI1 .A26	100.0	100000.0
27	Q452G3	13442.00	FBI1 .A27	100.0	100000.0
28	Q452H1	12678.00	FBI1 .A28	100.0	100000.0
29	Q452H2	13003.00	FBI1 .A29	100.0	100000.0
30	Q452H3	12660.00	FBI1 .A30	100.0	100000.0
31	Q452I1	13177.00	FBI1 .A31	100.0	100000.0
32	Q452I2	12790.00	FBI1 .A32	100.0	100000.0
33	Q452I3	12589.00	FBI1 .A33	100.0	100000.0
34	Q452J1	13118.00	FBI1 .A34	100.0	100000.0
35	Q452J2	13406.00	FBI1 .A35	100.0	100000.0
36	Q452J3	13022.00	FBI1 .A36	100.0	100000.0
37	Q452K1	15007.00	FBI1 .A37	100.0	100000.0
38	Q452K2	13829.00	FBI1 .A38	100.0	100000.0
39	Q452K3	13208.00	FBI1 .A39	100.0	100000.0
40	Q452L1	13259.00	FBI1 .A40	100.0	100000.0
41	Q452L2	12391.00	FBI1 .A41	100.0	100000.0
42	Q452L3	11829.00	FBI1 .A42	100.0	100000.0
43	Q453A1	12554.00	FBI1 .A43	100.0	100000.0
44	Q453A2	13128.00	FBI1 .A44	100.0	100000.0
45	Q453A3	12462.00	FBI1 .A45	100.0	100000.0
46	Q453B1	12757.00	FBI1 .A46	100.0	100000.0
47	Q453B2	12567.00	FBI1 .A47	100.0	100000.0

48	Q453B3	12377.00	FBI1	.A48	100.0	100000.0
49	Q453C1	14088.00	FBI1	.A49	100.0	100000.0
50	Q453C2	12467.00	FBI1	.A50	100.0	100000.0
51	Q453C3	11001.00	FBI1	.A51	100.0	100000.0
52	Q453D1	14336.00	FBI1	.A52	100.0	100000.0
53	Q453D2	15490.00	FBI1	.A53	100.0	100000.0
54	Q453D3	13686.00	FBI1	.A54	100.0	100000.0
55	Q453E1	14204.00	FBI1	.A55	100.0	100000.0
56	Q453E2	13197.00	FBI1	.A56	100.0	100000.0
57	Q453E3	10815.00	FBI1	.A57	100.0	100000.0
58	Q453F1	12746.00	FBI1	.A58	100.0	100000.0
59	Q453F2	13541.00	FBI1	.A59	100.0	100000.0
60	Q453F3	12744.00	FBI1	.A60	100.0	100000.0
61	Q453G1	13108.00	FBI1	.A61	100.0	100000.0
62	Q453G2	12529.00	FBI1	.A62	100.0	100000.0
63	Q453G3	12679.00	FBI1	.A63	100.0	100000.0
64	Q453H1	12863.00	FBI1	.A64	100.0	100000.0
65	Q453H2	12777.00	FBI1	.A65	100.0	100000.0
66	Q453H3	13120.00	FBI1	.A66	100.0	100000.0
67	Q453I1	12314.00	FBI1	.A67	100.0	100000.0
68	Q453I2	12555.00	FBI1	.A68	100.0	100000.0
69	Q453I3	13019.00	FBI1	.A69	100.0	100000.0
70	Q453J1	12988.00	FBI1	.A70	100.0	100000.0
71	Q453J2	13584.00	FBI1	.A71	100.0	100000.0
72	Q453J3	12750.00	FBI1	.A72	100.0	100000.0
73	Q453K1	13343.00	FBI1	.A73	100.0	100000.0
74	Q453K2	12956.00	FBI1	.A74	100.0	100000.0
75	Q453K3	13609.00	FBI1	.A75	100.0	100000.0
76	Q453L1	13471.00	FBI1	.A76	100.0	100000.0
77	Q453L2	13247.00	FBI1	.A77	100.0	100000.0
78	Q453L3	14366.00	FBI1	.A78	100.0	100000.0
79	Q1038A1	13645.00	FBI1	.A79	100.0	100000.0
80	Q1038A2	13386.00	FBI1	.A80	100.0	100000.0
81	Q1038A3	13952.00	FBI1	.A81	100.0	100000.0
82	Q1038E1	13122.00	FBI1	.A82	100.0	100000.0
83	Q1038E2	13666.00	FBI1	.A83	100.0	100000.0
84	Q1038E3	12644.00	FBI1	.A84	100.0	100000.0
85	Q1038C1	14075.00	FBI1	.A85	100.0	100000.0
86	Q1038C2	13181.00	FBI1	.A86	100.0	100000.0
87	Q1038C3	12648.00	FBI1	.A87	100.0	100000.0
88	Q1038D1	15036.00	FBI1	.A88	100.0	100000.0
89	Q1038D2	15328.00	FBI1	.A89	100.0	100000.0
90	Q1038D3	14855.00	FBI1	.A90	100.0	100000.0
91	Q1038E1	16836.00	FBI1	.A91	100.0	100000.0
92	Q1038E2	17219.00	FBI1	.A92	100.0	100000.0
93	Q1038E3	17528.00	FBI1	.A93	100.0	100000.0

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:01:58 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
SAMPLE IDENTIFICATION: S626A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 12954.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1401:07 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 627. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	59265.	7.8000E-02	0.0000E-01	1.2658E-01	5.3497E-04
%-ANTIMONY	564.1	177971.	7.2000E-01	0.0000E-01	3.3455E-02	7.9767E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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XXXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:02:40 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
SAMPLE IDENTIFICATION: S626B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 13227.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1411:45 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 625. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	54927.	7.8000E-02	0.0000E-01	1.1600E-01	5.0962E-04
%-ANTIMONY	564.1	167561.	7.2000E-01	0.0000E-01	3.0906E-02	7.5932E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:03:23 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
SAMPLE IDENTIFICATION: S626C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 1.6195.00 UNITS: UG
SAMPLE GEOMETRY: R13 6HR
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1422:23 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 634. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	72664.	7.8000E-02	0.0000E-01	1.2655E-01	4.8379E-04
%-ANTIMONY	564.1	217520.	7.2000E-01	0.0000E-01	3.2830E-02	7.0809E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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XXXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:04:05 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
SAMPLE IDENTIFICATION: S604A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 14228.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1433:10 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 668. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NET ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	6517.	1.0000E-01	0.0000E-01	8.7803E-03	1.2496E-04

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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
SAMPLE IDENTIFICATION: S604B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 12990.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1444:33 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 659. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	5646.	1.0000E-01	0.0000E-01	8.3739E-03	1.2741E-04

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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
SAMPLE IDENTIFICATION: S604C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 13765.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1455:47 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 659. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
*

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	5487.	1.0000E-01	0.0000E-01	7.7172E-03	1.1946E-04

SUMMARY OF STANDARD CONSTANTS:

1. ELEMENT %-COPPER AT 511.00 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.8000E-02	1.2658E-01	5.3497E-04
S626B	7.8000E-02	1.1600E-01	5.0962E-04
S626C	7.8000E-02	1.2635E-01	4.8379E-04

MEAN CONSTANT,	3 STDS:	1.2306E-01	2.9339E-04

2. ELEMENT %-ANTIMONY AT 564.09 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.2000E-01	3.3455E-02	7.9767E-05
S626B	7.2000E-01	3.0906E-02	7.5932E-05
S626C	7.2000E-01	3.2830E-02	7.0809E-05

MEAN CONSTANT,	3 STDS:	3.2386E-02	4.3435E-05

3. ELEMENT %-ARSENIC AT 657.41 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S604A	1.0000E-01	8.7803E-03	1.2496E-04
S604B	1.0000E-01	8.3739E-03	1.2741E-04
S604C	1.0000E-01	7.7172E-03	1.1946E-04

MEAN CONSTANT,	3 STDS:	8.2717E-03	7.1482E-05

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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: S626A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12954.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1401:07 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 627. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	332.	310.	334.	368.	462.	456.	547.	757.	1070.
1018:	1696.	2865.	5367.	8414.	11402.	12432.	10917.	7960.	4510.
1027:	2257.	1217.	705.	501.	316.	304.	274.	238.	227.

% COPPER 511.0 KEV 0.0802

1117:	468.	749.	1009.	910.	759.	697.	855.	1017.	1468.
1126:	3594.	13868.	38905.	60021.	44147.	15691.	2789.	431.	184.
1135:	163.	147.	134.	144.	140.	105.	95.	94.	99.

% ANTIMONY 564.0 KEV 0.7438

1301:	55.	61.	60.	64.	48.	51.	59.	44.	47.
1310:	48.	60.	61.	64.	115.	103.	97.	67.	67.
1319:	47.	39.	48.	55.	47.	52.	61.	54.	50.

% ARSENIC 657.4 KEV 0.0030

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1737.	59265.	0.0802	0.0004	0.5
%-ANTIMONY	564.1	1044.	177971.	0.7438	0.0020	0.3
%-ARSENIC	657.4	277.	173.	0.0030	0.0005	15.6

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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: S626B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13227.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1411:45 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 625. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	314.	314.	343.	341.	395.	438.	537.	758.	1042.
1018:	1597.	2866.	4855.	8072.	10672.	11429.	9992.	7371.	4189.
1027:	2231.	1148.	721.	453.	290.	253.	221.	199.	215.

% COPPER 511.0 KEV 0.0735

1117:	443.	718.	1007.	873.	725.	652.	801.	1040.	1484.
1126:	3507.	13148.	36604.	56064.	41840.	14755.	2599.	432.	187.
1135:	163.	139.	138.	128.	109.	94.	113.	70.	104.

% ANTIMONY 564.0 KEV 0.6871

1301:	43.	61.	58.	50.	48.	50.	46.	46.	58.
1310:	40.	53.	67.	51.	86.	133.	84.	60.	57.
1319:	35.	39.	49.	34.	44.	42.	41.	56.	33.

% ARSENIC 657.4 KEV 0.0031

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1653.	54927.	0.0735	0.0004	0.5
%-ANTIMONY	564.1	956.	167561.	0.6871	0.0019	0.3
%-ARSENIC	657.4	242.	179.	0.0031	0.0004	14.4

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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: S626C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 16195.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1422:23 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 634. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009: 408. 414. 433. 472. 520. 582. 671. 862. 1374.
 1018: 2152. 3736. 6706. 10705. 14125. 15150. 13213. 9618. 5398.
 1027: 2699. 1442. 887. 605. 440. 354. 287. 313. 288.

% COPPER 511.100 KEV 0.0802

1117: 657. 974. 1273. 1100. 932. 860. 1062. 1288. 1893.
 1126: 4845. 17907. 49361. 72988. 52341. 18233. 3136. 531. 289.
 1135: 259. 180. 185. 163. 183. 118. 135. 134. 135.

% ANTIMONY 564.05 KEV 0.7299

1301: 64. 84. 75. 82. 71. 67. 77. 60. 74.
 1310: 73. 52. 78. 74. 127. 147. 126. 104. 68.
 1319: 69. 66. 60. 68. 77. 60. 57. 58. 65.

% ARSENIC 657.40 KEV 0.0033

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	2251.	72664.	0.0802	0.0004	0.3
%-ANTIMONY	564.1	1292.	217520.	0.7299	0.0019	0.3
%-ARSENIC	657.4	350.	229.	0.0033	0.0004	13.4

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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: S604A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14228.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1433:10 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 668. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009: 717. 738. 751. 701. 709. 685. 750. 694. 712.
 1018: 800. 923. 1147. 1459. 1686. 1763. 1562. 1372. 1022.
 1027: 824. 741. 663. 634. 669. 638. 708. 651. 615.

% COPPER 511.0 KEV 0.0066

1117: 6426. 15543. 22107. 16138. 6958. 2927. 2616. 3046. 4606.
 1126: 12601. 44838. 114548. 156250. 105658. 36283. 7172. 1927. 1102.
 1135: 874. 713. 643. 586. 544. 511. 531. 516. 502.

% ANTIMONY 564.0 KEV 1.8132

1301: 194. 229. 237. 221. 229. 188. 210. 217. 243.
 1310: 227. 269. 391. 963. 1918. 2429. 1568. 681. 302.
 1319: 211. 198. 189. 210. 186. 194. 184. 207. 176.

% ARSENIC 657.4 KEV 0.1061

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	4775.	5236.	0.0066	0.0002	2.3
%-ANTIMONY	564.1	3544.	473806.	1.8132	0.0036	0.2
%-ARSENIC	657.4	1043.	6517.	0.1061	0.0018	1.7

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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: S604B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12990.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 17JUN80 1444:33 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 659. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009: 621. 650. 630. 610. 589. 633. 613. 619. 632.
 1018: 709. 781. 1006. 1289. 1541. 1547. 1443. 1187. 891.
 1027: 710. 665. 575. 579. 613. 596. 571. 518. 570.

% COPPER 511.0 KEV 0.0066

1117: 5813. 13814. 19492. 14237. 6060. 2549. 2308. 2696. 4106.
 1126: 10700. 39081. 101041. 138965. 95163. 32095. 6388. 1510. 856.
 1135: 742. 619. 526. 482. 429. 374. 389. 419. 381.

% ANTIMONY 564.0 KEV 1.7654

1301: 185. 189. 217. 178. 178. 181. 168. 179. 196.
 1310: 210. 245. 368. 810. 1669. 2001. 1415. 618. 238.
 1319: 195. 157. 150. 153. 171. 177. 140. 150. 154.

% ARSENIC 657.4 KEV 0.1012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	4172.	4732.	0.0066	0.0002	2.4
%-ANTIMONY	564.1	3095.	420338.	1.7654	0.0036	0.2
%-ARSENIC	657.4	867.	5646.	0.1012	0.0018	1.8

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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452A1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14204.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1507:02 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	40.	38.	47.	50.	52.	51.	53.	60.	86.
1018:	91.	125.	208.	304.	397.	400.	383.	297.	209.
1027:	107.	72.	52.	45.	46.	53.	39.	38.	39.

% COPPER 511.0 KEV 0.0025

1117:	85.	125.	205.	194.	134.	112.	146.	163.	269.
1126:	569.	2217.	6481.	10219.	8068.	2870.	514.	53.	20.
1135:	16.	27.	16.	20.	22.	16.	13.	16.	16.

% ANTIMONY 564.0 KEV 0.1185

1301:	12.	11.	17.	14.	21.	12.	9.	12.	11.
1310:	9.	14.	15.	20.	20.	26.	18.	12.	10.
1319:	24.	14.	11.	10.	8.	14.	15.	12.	18.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	293.	1905.	0.0025	0.0001	2.6
%-ANTIMONY	564.1	197.	30741.	0.1185	0.0007	0.6
%-ARSENIC	657.4	67.	32.	< 6.7507E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:12:54 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452A2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15654.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1517:20 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	33.	43.	44.	51.	44.	47.	44.	54.	66.
1018:	67.	121.	194.	274.	410.	402.	357.	261.	183.
1027:	113.	91.	56.	43.	57.	45.	35.	41.	26.

% COPPER 511.000 KEV 0.0022

1117:	62.	118.	167.	184.	124.	120.	155.	162.	241.
1126:	507.	2062.	5910.	9814.	7534.	2834.	486.	50.	22.
1135:	21.	18.	18.	25.	10.	18.	17.	13.	15.

% ANTIMONY 564.000 KEV 0.1016

1301:	11.	15.	12.	6.	9.	10.	14.	15.	13.
1310:	13.	13.	9.	12.	16.	27.	24.	14.	10.
1319:	12.	7.	14.	11.	10.	10.	9.	7.	5.

% ARSENIC 657.400 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	279.	1802.	0.0022	0.0001	2.7
%-ANTIMONY	564.1	159.	28988.	0.1016	0.0006	0.6
%-ARSENIC	657.4	50.	44.	6.5649E-04	1.8025E-04	27.5

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:14:44 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45281
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12744.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1537:57 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	24.	16.	20.	14.	26.	20.	21.	35.	47.
1018:	63.	94.	151.	214.	292.	348.	311.	213.	134.
1027:	71.	35.	22.	16.	19.	19.	16.	14.	14.

% COPPER 511.00 KEV 0.0023

1117:	14.	24.	23.	27.	35.	27.	39.	41.	71.
1126:	137.	518.	1463.	2466.	1962.	683.	140.	22.	11.
1135:	7.	10.	9.	10.	9.	7.	6.	7.	7.

% ANTIMONY 564.09 KEV 0.0315

1301:	5.	5.	7.	10.	2.	8.	10.	7.	12.
1310:	4.	6.	4.	5.	8.	9.	8.	7.	9.
1319:	6.	4.	9.	5.	8.	3.	2.	6.	8.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	114.	1549.	0.0023	0.0001	2.7
%-ANTIMONY	564.1	81.	7289.	0.0315	0.0004	1.2
%-ARSENIC	657.4	28.	13.	< 5.1097E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:15:40 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452B2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14112.00 UNITS: UG
 SAMPLE GEOMETRY: KT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1548:12 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	16.	22.	22.	21.	20.	22.	26.	30.	49.
1018:	49.	102.	133.	239.	298.	354.	318.	222.	130.
1027:	85.	53.	29.	15.	15.	13.	16.	13.	12.

% COPPER 511.00 KEV 0.0022

1117:	16.	24.	22.	21.	24.	31.	54.	40.	57.
1126:	153.	535.	1535.	2568.	2103.	759.	138.	21.	6.
1135:	7.	10.	8.	7.	6.	10.	13.	11.	8.

% ANTIMONY 564.09 KEV 0.0301

1301:	8.	12.	9.	11.	9.	6.	12.	5.	9.
1310:	10.	13.	10.	14.	7.	5.	11.	16.	12.
1319:	5.	6.	5.	7.	8.	3.	5.	9.	6.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	120.	1574.	0.0022	0.0001	2.7
%-ANTIMONY	564.1	82.	7709.	0.0301	0.0003	1.2
%-ARSENIC	657.4	40.	10.	< 5.4191E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:16:35 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45283
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11998.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1558:27 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	16.	18.	20.	17.	25.	24.	28.	31.	37.
1018:	47.	73.	139.	211.	266.	303.	300.	204.	116.
1027:	72.	29.	27.	20.	21.	12.	13.	13.	13.

% COPPER 511.00 KEV 0.0023

1117:	15.	21.	21.	28.	24.	34.	49.	46.	52.
1126:	122.	505.	1470.	2363.	1916.	657.	113.	13.	13.
1135:	12.	4.	8.	9.	14.	8.	9.	6.	7.

% ANTIMONY 564.05 KEV 0.0325

1301:	5.	6.	7.	6.	8.	5.	6.	4.	5.
1310:	13.	16.	6.	7.	5.	5.	10.	8.	10.
1319:	8.	13.	9.	10.	5.	9.	8.	9.	7.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	111.	1428.	0.0023	0.0001	2.9
%-ANTIMONY	564.1	84.	7062.	0.0325	0.0004	1.2
%-ARSENIC	657.4	37.	2. < 6.1757E-04			NOT DETECTABLE

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:17:31 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452C1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12651.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1608:41 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	41.	44.	43.	46.	42.	39.	45.	37.	59.
1018:	61.	100.	171.	263.	334.	380.	325.	233.	149.
1027:	95.	59.	55.	50.	36.	41.	45.	41.	35.

% COPPER 511.0 KEV 0.0025

1117:	79.	118.	167.	192.	127.	118.	147.	149.	245.
1126:	499.	1930.	5862.	9425.	7422.	2583.	483.	57.	18.
1135:	17.	18.	12.	17.	20.	8.	16.	14.	17.

% ANTIMONY 564.0 KEV 0.1227

1301:	9.	13.	9.	11.	10.	8.	9.	4.	10.
1310:	10.	22.	18.	10.	19.	17.	19.	18.	15.
1319:	6.	13.	13.	14.	8.	8.	6.	10.	8.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	261.	1594.	0.0025	0.0001	2.9
%-ANTIMONY	564.1	166.	28038.	0.1227	0.0008	0.6
%-ARSENIC	657.4	49.	31. <	6.7029E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:18:26 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452C2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12779.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1619:00 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	21.	40.	40.	42.	33.	43.	36.	47.	55.
1018:	79.	103.	162.	247.	329.	354.	304.	215.	160.
1027:	72.	53.	40.	42.	45.	29.	28.	35.	38.

% COPPER 511.0 KEV 0.0023

1117:	70.	94.	172.	176.	125.	106.	130.	150.	202.
1126:	499.	1884.	5395.	8872.	6873.	2482.	402.	44.	15.
1135:	17.	10.	14.	13.	13.	12.	9.	15.	5.

% ANTIMONY 564.0 KEV 0.1140

1301:	14.	13.	11.	9.	10.	18.	11.	13.	11.
1310:	14.	8.	8.	13.	17.	17.	19.	8.	9.
1319:	14.	6.	12.	6.	14.	10.	5.	12.	10.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	261.	1510.	0.0023	0.0001	3.0
%-ANTIMONY	564.1	148.	26259.	0.1140	0.0007	0.6
%-ARSENIC	657.4	54.	20.	< 7.0053E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:19:21 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452C3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12493.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1629:18 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	53.	39.	47.	57.	41.	50.	49.	44.	52.
1018:	100.	121.	157.	289.	302.	360.	376.	282.	167.
1027:	101.	68.	41.	49.	48.	49.	35.	31.	35.

% COPPER 511.0 KEV 0.0026

1117:	86.	149.	216.	204.	119.	123.	112.	153.	253.
1126:	551.	2111.	6066.	9865.	7959.	2932.	505.	62.	18.
1135:	18.	13.	14.	26.	14.	11.	18.	15.	20.

% ANTIMONY 564.09 KEV 0.1325

1301:	15.	16.	10.	13.	16.	19.	13.	17.	8.
1310:	11.	11.	16.	16.	26.	23.	23.	9.	8.
1319:	10.	10.	8.	17.	15.	18.	8.	14.	13.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	288.	1645.	0.0026	0.0001	2.9
%-ANTIMONY	564.1	196.	29793.	0.1325	0.0008	0.6
%-ARSENIC	657.4	73.	31.	< 8.2832E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:20:17 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U452D1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12322.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 17JUN80 1639:37 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	14.	15.	17.	13.	22.	29.	18.	31.	37.
1018:	46.	87.	136.	189.	269.	296.	241.	187.	110.
1027:	78.	37.	29.	21.	26.	17.	16.	14.	14.

% COPPER 511.0 KEV 0.0022

1117:	24.	25.	29.	27.	21.	28.	30.	43.	58.
1126:	119.	436.	1316.	2298.	1873.	739.	120.	15.	8.
1135:	17.	7.	13.	11.	4.	9.	7.	6.	9.

% ANTIMONY 564.09 KEV 0.0309

1301:	5.	11.	10.	7.	11.	8.	11.	9.	7.
1310:	11.	8.	8.	10.	7.	4.	13.	7.	9.
1319:	6.	14.	4.	9.	8.	6.	7.	7.	12.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	104.	1324.	0.0022	0.0001	3.0
%-ANTIMONY	564.1	71.	6830.	0.0309	0.0004	1.2
%-ARSENIC	657.4	42.	0.	< 6.5290E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:21:12 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452D2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12570.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1649:51 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	18.	24.	17.	23.	18.	23.	18.	22.	43.
1018:	52.	74.	134.	200.	275.	298.	260.	213.	120.
1027:	72.	57.	36.	19.	17.	15.	14.	19.	19.

% COPPER 511.00 KEV 0.0023

1117:	23.	24.	22.	36.	24.	33.	33.	37.	65.
1126:	102.	408.	1285.	2244.	1832.	717.	139.	20.	11.
1135:	15.	11.	7.	14.	6.	13.	13.	7.	11.

% ANTIMONY 564.05 KEV 0.0294

1301:	9.	13.	11.	7.	7.	8.	12.	11.	10.
1310:	10.	5.	11.	8.	9.	11.	10.	10.	12.
1319:	12.	11.	13.	9.	13.	14.	8.	11.	16.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	110.	1390.	0.0023	0.0001	2.9
%-ANTIMONY	564.1	93.	6634.	0.0294	0.0004	1.3
%-ARSENIC	657.4	51.	-2. < 6.9984E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:22:07 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U452D3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 121.43.00 UNITS: UG
 SAMPLE GEOMETRY: KT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1700:06 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	19.	22.	16.	20.	29.	33.	25.	26.	20.
1018:	51.	76.	107.	200.	247.	288.	242.	171.	103.
1027:	71.	40.	27.	23.	20.	25.	18.	7.	17.

% COPPER 511.0 KEV 0.0021

1117:	14.	23.	36.	25.	22.	33.	38.	48.	50.
1126:	128.	414.	1190.	2017.	1795.	712.	138.	25.	12.
1135:	6.	8.	12.	10.	11.	12.	8.	10.	8.

% ANTIMONY 564.0 KEV 0.0290

1301:	11.	9.	8.	11.	12.	11.	11.	13.	5.
1310:	8.	7.	4.	7.	8.	10.	10.	10.	10.
1319:	12.	9.	10.	12.	10.	14.	10.	6.	4.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	116.	1242.	0.0021	0.0001	3.1
%-ANTIMONY	564.1	81.	6303.	0.0290	0.0004	1.3
%-ARSENIC	657.4	52.	-4. < 7.3435E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:23:03 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452E1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12603.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 17JUN80 1710:19 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	34.	36.	33.	38.	42.	47.	44.	40.	59.
1018:	72.	82.	141.	228.	280.	315.	311.	282.	173.
1027:	91.	71.	40.	45.	44.	37.	40.	23.	36.

% COPPER 511.0 KEV 0.0025

1117:	76.	126.	174.	137.	120.	97.	127.	148.	193.
1126:	437.	1507.	4872.	8289.	7041.	2853.	505.	55.	19.
1135:	14.	14.	13.	15.	16.	20.	14.	12.	23.

% ANTIMONY 564.0 KEV 0.1125

1301:	10.	14.	13.	10.	15.	17.	12.	12.	7.
1310:	9.	7.	13.	17.	19.	14.	24.	10.	18.
1319:	13.	5.	15.	12.	15.	14.	11.	14.	10.

% ARSENIC 657.4 KEV <0.0001

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	231.	1499.	0.0025	0.0001	3.0
%-ANTIMONY	564.1	183.	25321.	0.1125	0.0007	0.6
%-ARSENIC	657.4	68.	20.	< 8.0595E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:23:59 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452E2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12908.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1720:38 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	43.	30.	40.	34.	34.	48.	40.	37.	60.
1018:	73.	90.	140.	169.	263.	328.	285.	228.	137.
1027:	85.	58.	34.	32.	26.	28.	30.	25.	30.

% COPPER 511.0 KEV 0.0021

1117:	63.	105.	134.	144.	95.	109.	122.	133.	168.
1126:	390.	1304.	4385.	7519.	6279.	2556.	493.	58.	18.
1135:	17.	19.	17.	18.	10.	22.	16.	9.	11.

% ANTIMONY 564.0 KEV 0.0990

1301:	13.	22.	17.	10.	8.	5.	16.	7.	10.
1310:	15.	16.	11.	12.	18.	22.	17.	15.	14.
1319:	14.	11.	16.	13.	8.	7.	15.	14.	12.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	239.	1311.	0.0021	0.0001	3.2
%-ANTIMONY	564.1	148.	22778.	0.0990	0.0007	0.7
%-ARSENIC	657.4	60.	27.	< 7.4536E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:24:54 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U452E3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12857.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1730:56 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	31.	46.	39.	43.	41.	38.	39.	49.	54.
1018:	64.	84.	126.	223.	300.	338.	275.	225.	154.
1027:	91.	59.	46.	32.	38.	40.	36.	28.	32.

% COPPER 511.100 KEV 0.0023

1117:	71.	126.	144.	174.	118.	114.	122.	149.	206.
1126:	429.	1554.	4732.	8645.	7055.	2924.	525.	76.	14.
1135:	21.	11.	16.	16.	7.	14.	10.	11.	14.

% ANTIMONY 564.09 KEV 0.1123

1301:	11.	10.	12.	9.	18.	13.	9.	11.	8.
1310:	9.	15.	6.	8.	17.	25.	15.	10.	11.
1319:	8.	8.	10.	13.	10.	9.	10.	3.	10.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	237.	1404.	0.0023	0.0001	3.1
%-ANTIMONY	564.1	165.	25700.	0.1123	0.0007	0.6
%-ARSENIC	657.4	54.	2. < 7.1553E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:25:49 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452F1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15320.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1741:15 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	16.	21.	15.	19.	14.	25.	15.	20.	29.
1018:	36.	84.	119.	189.	257.	283.	265.	202.	110.
1027:	78.	33.	26.	24.	14.	13.	12.	17.	9.

% COPPER 511.00 KEV 0.0019

1117:	20.	20.	20.	24.	23.	34.	39.	24.	63.
1126:	107.	370.	1127.	1959.	1630.	648.	126.	14.	14.
1135:	10.	12.	6.	12.	12.	12.	12.	9.	5.

% ANTIMONY 564.09 KEV 0.0216

1301:	10.	8.	11.	4.	5.	10.	4.	12.	9.
1310:	11.	8.	6.	4.	11.	6.	13.	13.	10.
1319:	7.	6.	14.	11.	12.	6.	11.	8.	7.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	96.	1329.	0.0019	0.0001	2.9
%-ANTIMONY	564.1	78.	5889.	0.0216	0.0003	1.3
%-ARSENIC	657.4	43.	10.	< 5.4540E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:26:45 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U452F2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 18259.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 17JUN80 1751:30 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	15.	24.	24.	17.	13.	19.	17.	26.	40.
1018:	42.	66.	144.	216.	279.	318.	277.	234.	145.
1027:	63.	49.	34.	17.	13.	17.	18.	13.	19.

% COPPER 511.0 KEV 0.0018

1117:	18.	22.	14.	22.	25.	25.	36.	32.	60.
1126:	128.	457.	1286.	2250.	1748.	715.	131.	14.	8.
1135:	12.	8.	10.	11.	8.	3.	12.	15.	8.

% ANTIMONY 564.09 KEV 0.0205

1301:	7.	9.	14.	12.	4.	5.	5.	9.	10.
1310:	7.	7.	11.	9.	3.	6.	7.	10.	8.
1319:	5.	14.	7.	7.	9.	7.	3.	6.	11.

% ARSENIC 657.40 KEV <0.0004

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	116.	1498.	0.0018	0.0000	2.8
%-ANTIMONY	564.1	76.	6639.	0.0205	0.0003	1.2
%-ARSENIC	657.4	38.	-2. < 4.3437E-04		NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:27:40 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452F3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 16965.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1801:44 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	14.	16.	12.	17.	13.	19.	22.	29.	42.
1018:	40.	83.	140.	214.	279.	309.	265.	212.	143.
1027:	84.	36.	35.	19.	16.	13.	9.	19.	9.

% COPPER 511.0 KEV 0.0019

1117:	15.	11.	20.	21.	24.	24.	34.	38.	55.
1126:	119.	452.	1384.	2280.	1844.	696.	107.	22.	6.
1135:	14.	8.	6.	5.	8.	7.	6.	6.	7.

% ANTIMONY 564.0 KEV 0.0226

1301:	6.	10.	5.	9.	6.	8.	6.	6.	8.
1310:	7.	7.	4.	9.	6.	7.	10.	8.	6.
1319:	4.	5.	6.	7.	9.	5.	6.	8.	3.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	113.	1449.	0.0019	0.0001	2.8
%-ANTIMONY	564.1	81.	6802.	0.0226	0.0003	1.2
%-ARSENIC	657.4	37.	4.	< 4.6106E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:28:36 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452G1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14469.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1811:59 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	41.	45.	43.	53.	38.	49.	49.	52.	60.
1018:	63.	96.	161.	281.	342.	352.	317.	239.	130.
1027:	99.	71.	58.	62.	34.	48.	37.	34.	43.

% COPPER 511.0 KEV 0.0023

1117:	85.	127.	200.	200.	153.	129.	140.	174.	262.
1126:	511.	2145.	6383.	10268.	8059.	3060.	450.	62.	16.
1135:	19.	20.	17.	16.	9.	15.	13.	18.	15.

% ANTIMONY 564.0 KEV 0.1200

1301:	9.	13.	14.	11.	12.	10.	7.	13.	12.
1310:	9.	9.	14.	14.	20.	19.	24.	6.	16.
1319:	12.	19.	9.	17.	12.	8.	8.	8.	8.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	325.	1497.	0.0023	0.0001	3.1
%-ANTIMONY	564.1	186.	30690.	0.1200	0.0007	0.6
%-ARSENIC	657.4	57.	35. <	6.6396E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:29:31 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45262
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14637.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX
 *
 ACQUISITION DATE: 17JUN80 1822:17 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	43.	39.	41.	48.	32.	40.	53.	51.	67.
1018:	68.	117.	152.	260.	373.	377.	339.	247.	164.
1027:	101.	63.	43.	44.	46.	49.	40.	40.	40.

% COPPER 511.0 KEV 0.0025

1117:	96.	144.	198.	188.	156.	121.	131.	186.	248.
1126:	530.	2103.	6139.	10115.	7794.	2737.	471.	43.	17.
1135:	20.	17.	8.	17.	10.	13.	12.	16.	16.

% ANTIMONY 564.0 KEV 0.1151

1301:	14.	8.	10.	9.	9.	8.	13.	11.	11.
1310:	10.	12.	10.	22.	15.	23.	32.	20.	10.
1319:	13.	12.	9.	8.	11.	10.	7.	9.	7.

% ARSENIC 657.4 KEV 0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	288.	1624.	0.0025	0.0001	2.9
%-ANTIMONY	564.1	164.	29725.	0.1151	0.0007	0.6
%-ARSENIC	657.4	45.	68.	0.0012	0.0002	18.6

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:30:26 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45263
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13442.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 17JUN80 1832:36 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	37.	48.	40.	40.	53.	45.	54.	55.	58.
1018:	92.	108.	163.	246.	302.	352.	310.	222.	170.
1027:	96.	65.	53.	44.	42.	36.	44.	25.	37.

% COPPER 511.0 KEV 0.0025

1117:	87.	146.	200.	186.	157.	121.	136.	169.	224.
1126:	559.	2199.	6176.	9951.	7595.	2665.	485.	31.	19.
1135:	14.	15.	16.	16.	12.	15.	12.	16.	10.

% ANTIMONY 564.0 KEV 0.1244

1301:	12.	13.	8.	7.	17.	10.	11.	12.	13.
1310:	7.	12.	12.	14.	22.	31.	17.	16.	14.
1319:	14.	7.	16.	7.	7.	18.	11.	6.	14.

% ARSENIC 657.40 KEV 0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	273.	1492.	0.0025	0.0001	3.0
%-ANTIMONY	564.1	184.	29446.	0.1244	0.0007	0.6
%-ARSENIC	657.4	52.	48.	9.1915E-04	2.3623E-04	25.7

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:31:22 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452H1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12678.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1842:54 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	47.	31.	37.	40.	37.	44.	47.	52.	62.
1018:	63.	105.	156.	242.	311.	329.	253.	202.	140.
1027:	75.	65.	38.	43.	50.	39.	41.	37.	33.

% COPPER 511.0 KEV 0.0024

1117:	69.	152.	191.	174.	117.	120.	138.	146.	215.
1126:	514.	1957.	5915.	9174.	6888.	2455.	396.	45.	15.
1135:	16.	13.	21.	10.	11.	12.	11.	19.	18.

% ANTIMONY 564.0 KEV 0.1218

1301:	8.	16.	16.	8.	13.	15.	5.	13.	10.
1310:	11.	10.	11.	18.	13.	30.	20.	13.	15.
1319:	15.	14.	11.	6.	16.	18.	6.	15.	9.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	272.	1361.	0.0024	0.0001	3.2
%-ANTIMONY	564.1	169.	27130.	0.1218	0.0008	0.6
%-ARSENIC	657.4	65.	30.	< 8.1692E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:32:18 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00

SAMPLE IDENTIFICATION: Q452H2

TYPE OF SAMPLE: UNKNOWN

SAMPLE QUANTITY: 13003.00 UNITS: UG

SAMPLE GEOMETRY: RT3 6HR

EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1853:12 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	46.	52.	51.	45.	50.	43.	39.	46.	56.
1018:	52.	96.	162.	207.	291.	321.	294.	228.	125.
1027:	74.	70.	54.	46.	45.	31.	34.	44.	30.

% COPPER 511.0 KEV 0.0023

1117:	83.	138.	194.	166.	136.	119.	162.	167.	232.
1126:	496.	1975.	5787.	9111.	7101.	2436.	450.	48.	32.
1135:	16.	12.	17.	27.	18.	27.	22.	19.	15.

% ANTIMONY 564.0 KEV 0.1191

1301:	13.	9.	14.	11.	13.	13.	7.	28.	13.
1310:	14.	11.	18.	13.	18.	29.	20.	22.	22.
1319:	18.	14.	10.	6.	13.	16.	14.	20.	10.

% ARSENIC 657.4 KEV 0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	305.	1324.	0.0023	0.0001	3.3
%-ANTIMONY	564.1	189.	27167.	0.1191	0.0007	0.6
%-ARSENIC	657.4	65.	47.	9.2885E-04	2.6476E-04	28.5

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:33:13 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452H3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12660.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF,TAB1

XX

ACQUISITION DATE: 17JUN80 1903:31 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	33.	42.	37.	45.	41.	42.	46.	46.	66.
1018:	59.	79.	133.	226.	294.	341.	290.	201.	145.
1027:	87.	62.	49.	43.	48.	35.	39.	44.	36.

% COPPER 511.0 KEV 0.0025

1117:	62.	115.	173.	142.	112.	120.	123.	153.	239.
1126:	551.	2020.	5988.	9362.	7320.	2552.	455.	41.	19.
1135:	20.	17.	23.	19.	19.	12.	12.	20.	26.

% ANTIMONY 564.0 KEV 0.1267

1301:	10.	13.	14.	9.	13.	11.	13.	12.	12.
1310:	8.	7.	13.	12.	25.	21.	21.	19.	10.
1319:	17.	11.	12.	13.	10.	7.	7.	13.	4.

% ARSENIC 657.4 KEV 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	249.	1382.	0.0025	0.0001	3.1
%-ANTIMONY	564.1	161.	28087.	0.1267	0.0008	0.6
%-ARSENIC	657.4	55.	43.	8.8621E-04	2.5505E-04	28.8

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:34:08 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45211
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13177.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1913:50 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	17.	14.	16.	16.	30.	20.	23.	30.	30.
1018:	42.	72.	127.	219.	233.	267.	218.	198.	125.
1027:	60.	41.	30.	26.	24.	13.	17.	18.	21.

% COPPER 511.0 KEV 0.0022

1117:	15.	20.	33.	17.	44.	52.	45.	50.	68.
1126:	141.	549.	1523.	2493.	1943.	669.	122.	17.	21.
1135:	6.	14.	12.	10.	14.	9.	15.	6.	10.

% ANTIMONY 564.05 KEV 0.0319

1301:	9.	17.	7.	9.	11.	12.	10.	10.	9.
1310:	8.	5.	6.	14.	7.	8.	15.	9.	7.
1319:	6.	9.	6.	9.	6.	10.	5.	9.	6.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	117.	1270.	0.0022	0.0001	3.1
%-ANTIMONY	564.1	88.	7352.	0.0319	0.0004	1.2
%-ARSENIC	657.4	48.	6.	< 6.9136E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:35:04 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45212
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12790.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1924:04 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	18.	22.	19.	19.	22.	24.	25.	29.	39.
1018:	39.	78.	154.	226.	296.	311.	310.	211.	120.
1027:	65.	37.	29.	27.	17.	19.	12.	16.	9.

% COPPER 511.00 KEV 0.0028

1117:	19.	14.	23.	28.	27.	34.	31.	45.	59.
1126:	133.	456.	1371.	2070.	1605.	584.	103.	17.	7.
1135:	9.	9.	9.	12.	8.	8.	6.	11.	10.

% ANTIMONY 564.09 KEV 0.0280

1301:	7.	7.	7.	8.	7.	11.	8.	7.	8.
1310:	9.	6.	6.	14.	15.	6.	9.	8.	11.
1319:	7.	9.	13.	12.	7.	12.	7.	7.	9.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	92.	1536.	0.0028	0.0001	2.7
%-ANTIMONY	564.1	78.	6244.	0.0280	0.0004	1.3
%-ARSENIC	657.4	43.	10.	< 6.7980E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:35:59 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45213
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12589.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 17JUN80 1934:19 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	21.	16.	16.	15.	22.	14.	26.	29.	31.
1018:	38.	86.	101.	161.	253.	246.	229.	185.	108.
1027:	53.	47.	23.	26.	16.	19.	21.	7.	13.

% COPPER 511.00 KEV 0.0022

1117:	22.	15.	20.	32.	29.	38.	53.	45.	55.
1126:	151.	496.	1472.	2384.	1822.	654.	131.	18.	4.
1135:	11.	10.	10.	6.	13.	13.	6.	13.	5.

% ANTIMONY 564.09 KEV 0.0321

1301:	9.	13.	8.	8.	14.	7.	9.	9.	9.
1310:	5.	4.	5.	7.	8.	8.	10.	9.	7.
1319:	15.	8.	9.	7.	6.	7.	6.	8.	8.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	123.	1161.	0.0022	0.0001	3.2
%-ANTIMONY	564.1	67.	7043.	0.0321	0.0004	1.2
%-ARSENIC	657.4	42.	0.	< 6.9001E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:36:55 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452J1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13118.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1944:34 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	16.	17.	18.	15.	20.	22.	16.	25.	36.
1018:	46.	58.	119.	198.	239.	246.	229.	167.	105.
1027:	73.	39.	28.	20.	14.	9.	17.	9.	15.

% COPPER 511.000 KEV 0.0022

1117:	16.	20.	25.	28.	36.	28.	35.	41.	63.
1126:	118.	452.	1367.	2212.	1789.	639.	102.	21.	6.
1135:	11.	9.	5.	10.	5.	5.	13.	7.	10.

% ANTIMONY 564.09 KEV 0.0289

1301:	9.	6.	11.	6.	9.	10.	3.	7.	11.
1310:	12.	3.	10.	12.	11.	11.	9.	8.	10.
1319:	11.	14.	9.	4.	7.	9.	5.	10.	9.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	115.	1188.	0.0022	0.0001	3.2
%-ANTIMONY	564.1	87.	6592.	0.0289	0.0004	1.3
%-ARSENIC	657.4	39.	15.	< 6.3919E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:37:50 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U452J2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13406.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 1954:47 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	15.	29.	18.	20.	11.	24.	24.	28.	32.
1018:	32.	78.	113.	186.	226.	293.	237.	164.	85.
1027:	59.	40.	15.	24.	18.	16.	13.	17.	18.

% COPPER 511.00 KEV 0.0021

1117:	28.	23.	21.	29.	25.	28.	40.	51.	46.
1126:	118.	480.	1341.	2249.	1680.	646.	105.	17.	10.
1135:	10.	9.	13.	9.	4.	4.	8.	13.	9.

% ANTIMONY 564.05 KEV 0.0281

1301:	13.	7.	10.	14.	11.	10.	4.	9.	7.
1310:	3.	4.	9.	13.	7.	9.	10.	11.	8.
1319:	8.	9.	11.	7.	2.	12.	15.	4.	10.

% ARSENIC 657.40 KEV <0.000>

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	120.	1184.	0.0021	0.0001	3.2
%-ANTIMONY	564.1	81.	6539.	0.0281	0.0004	1.3
%-ARSENIC	657.4	46.	4.	< 6.8173E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:38:46 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452J3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13022.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2005:02 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	16.	17.	28.	20.	10.	27.	16.	27.	46.
1018:	44.	87.	139.	203.	276.	296.	252.	176.	131.
1027:	66.	32.	21.	21.	20.	14.	17.	10.	18.

% COPPER 511.0 KEV 0.0025

1117:	15.	26.	24.	19.	30.	42.	46.	50.	65.
1126:	134.	560.	1487.	2453.	1894.	735.	125.	16.	7.
1135:	9.	10.	5.	8.	8.	10.	14.	4.	9.

% ANTIMONY 564.0 KEV 0.0324

1301:	5.	7.	10.	9.	7.	12.	13.	3.	12.
1310:	7.	13.	11.	11.	10.	9.	12.	14.	12.
1319:	6.	11.	10.	6.	16.	9.	7.	11.	7.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	129.	1344.	0.0025	0.0001	3.0
%-ANTIMONY	564.1	91.	7297.	0.0324	0.0004	1.2
%-ARSENIC	657.4	47.	5. < 7.1202E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:39:41 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452K1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15007.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2015:16 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	8.	13.	9.	13.	21.	15.	16.	19.	26.
1018:	34.	60.	79.	148.	196.	176.	183.	144.	61.
1027:	35.	23.	20.	13.	11.	12.	9.	16.	14.

% COPPER 511.00 KEV 0.0015

1117:	14.	13.	12.	12.	13.	20.	17.	30.	35.
1126:	85.	240.	712.	1160.	893.	340.	53.	13.	14.
1135:	11.	4.	6.	4.	4.	6.	8.	5.	10.

% ANTIMONY 564.09 KEV 0.0132

1301:	5.	6.	5.	8.	12.	9.	4.	6.	7.
1310:	9.	9.	8.	8.	5.	11.	1.	7.	7.
1319:	5.	10.	5.	3.	6.	12.	9.	4.	4.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	69.	918.	0.0015	0.0001	3.5
%-ANTIMONY	564.1	66.	3417.	0.0132	0.0002	1.7
%-ARSENIC	657.4	37.	2.	< 5.5613E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:40:36 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452K2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13829.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 17JUN80 2025:31 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	18.	16.	15.	20.	13.	17.	13.	21.	27.
1018:	31.	61.	98.	135.	168.	223.	190.	155.	83.
1027:	42.	34.	21.	23.	11.	12.	16.	12.	11.

% COPPER 511.0 KEV 0.0017

1117:	18.	16.	20.	16.	17.	24.	13.	22.	32.
1126:	59.	207.	614.	993.	846.	320.	57.	15.	6.
1135:	13.	17.	9.	13.	10.	7.	10.	8.	11.

% ANTIMONY 564.0 KEV 0.0126

1301:	13.	12.	7.	14.	4.	12.	7.	14.	10.
1310:	9.	13.	8.	11.	11.	12.	16.	11.	5.
1319:	9.	9.	10.	15.	7.	18.	11.	6.	6.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	90.	962.	0.0017	0.0001	3.5
%-ANTIMONY	564.1	78.	3018.	0.0126	0.0002	1.9
%-ARSENIC	657.4	53.	8.	< 7.1513E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:41:32 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q452K3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13208.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2035:46 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	18.	14.	18.	13.	14.	12.	11.	18.	26.
1018:	29.	54.	94.	151.	181.	228.	167.	125.	73.
1027:	46.	36.	18.	19.	17.	11.	7.	11.	6.

% COPPER 511.000 KEV 0.0018

1117:	11.	17.	16.	19.	15.	24.	19.	19.	25.
1126:	66.	236.	702.	1130.	867.	316.	60.	9.	10.
1135:	6.	6.	5.	12.	9.	16.	11.	11.	6.

% ANTIMONY 564.000 KEV 0.0145

1301:	8.	10.	3.	7.	9.	3.	12.	5.	11.
1310:	6.	9.	11.	6.	6.	8.	14.	14.	11.
1319:	4.	5.	6.	4.	5.	17.	9.	7.	13.

% ARSENIC 657.400 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	83.	936.	0.0018	0.0001	3.6
%-ANTIMONY	564.1	70.	3307.	0.0145	0.0003	1.8
%-ARSENIC	657.4	37.	16.	< 6.3760E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:42:27 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U452L1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13259.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2046:00 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	23.	34.	36.	41.	39.	39.	50.	48.	48.
1018:	48.	87.	122.	191.	263.	228.	233.	197.	123.
1027:	72.	51.	50.	31.	41.	32.	36.	21.	31.

% COPPER 511.00 KEV 0.0021

1117:	64.	112.	162.	141.	100.	101.	106.	143.	204.
1126:	417.	1701.	4880.	7793.	6207.	2203.	391.	36.	21.
1135:	14.	17.	17.	13.	18.	14.	12.	16.	17.

% ANTIMONY 564.07 KEV 0.1027

1301:	16.	8.	17.	13.	14.	13.	5.	9.	8.
1310:	8.	12.	11.	11.	11.	22.	24.	17.	21.
1319:	7.	10.	14.	6.	9.	7.	13.	9.	4.

% ARSENIC 657.40 KEV 0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	231.	1126.	0.0021	0.0001	3.5
%-ANTIMONY	564.1	167.	23425.	0.1027	0.0007	0.7
%-ARSENIC	657.4	55.	41.	8.3367E-04	2.5180E-04	30.2

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:43:23 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U452L2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12391.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 17JUN80 2056:19 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	55.	29.	49.	34.	47.	37.	34.	40.	47.
1018:	71.	79.	126.	183.	235.	258.	231.	162.	127.
1027:	72.	44.	45.	36.	27.	29.	40.	30.	30.

% COPPER 511.000 KEV 0.0022

1117:	79.	113.	130.	138.	95.	78.	110.	113.	195.
1126:	424.	1376.	4492.	7126.	5706.	2102.	377.	47.	16.
1135:	16.	16.	27.	12.	14.	19.	21.	13.	24.

% ANTIMONY 564.000 KEV 0.1006

1301:	25.	14.	17.	12.	8.	11.	15.	13.	11.
1310:	13.	11.	16.	19.	14.	15.	26.	14.	12.
1319:	6.	9.	14.	14.	15.	17.	17.	14.	20.

% ARSENIC 657.400 KEV <0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	232.	1090.	0.0022	0.0001	3.6
%-ANTIMONY	564.1	155.	21448.	0.1008	0.0007	0.7
%-ARSENIC	657.4	70.	21.	< 9.1770E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:44:18 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U452L3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.1829.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 17JUN80 2106:37 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	29.	33.	37.	36.	45.	39.	45.	40.	38.
1018:	66.	82.	108.	161.	210.	261.	219.	171.	102.
1027:	58.	45.	26.	29.	36.	33.	45.	36.	28.

% COPPER 511.000 KEV 0.0022

1117:	62.	105.	157.	117.	82.	65.	91.	101.	155.
1126:	387.	1474.	4253.	6949.	5486.	2000.	318.	45.	17.
1135:	15.	13.	11.	15.	8.	15.	7.	10.	10.

% ANTIMONY 564.09 KEV 0.1021

1301:	11.	14.	12.	9.	15.	19.	16.	9.	10.
1310:	20.	13.	14.	13.	14.	25.	17.	12.	14.
1319:	22.	15.	15.	12.	17.	16.	8.	7.	11.

% ARSENIC 657.40 KEV <0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	223.	1009.	0.0022	0.0001	3.8
%-ANTIMONY	564.1	169.	20698.	0.1021	0.0007	0.7
%-ARSENIC	657.4	65.	19.	< 9.3259E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:45:14 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453A1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12554.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2116:56 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	54.	52.	42.	53.	42.	49.	53.	50.	77.
1018:	80.	90.	170.	234.	318.	361.	341.	236.	154.
1027:	89.	73.	55.	43.	41.	48.	43.	41.	35.

% COPPER 511.0 KEV 0.0031

1117:	112.	234.	290.	280.	172.	155.	179.	195.	292.
1126:	686.	2452.	7669.	12095.	9517.	3502.	604.	70.	27.
1135:	25.	16.	17.	13.	22.	8.	13.	17.	14.

% ANTIMONY 564.0 KEV 0.1692

1301:	11.	9.	21.	17.	12.	11.	6.	10.	8.
1310:	15.	10.	8.	13.	22.	28.	26.	31.	15.
1319:	7.	8.	8.	10.	12.	11.	14.	14.	18.

% ARSENIC 657.4 KEV 0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	328.	1486.	0.0031	0.0001	3.1
%-ANTIMONY	564.1	193.	36332.	0.1692	0.0009	0.5
%-ARSENIC	657.4	66.	57.	0.0012	0.0003	24.3

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:46:09 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453A2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13128.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2127:14 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	41.	57.	41.	48.	46.	52.	71.	54.	50.
1018:	65.	81.	158.	252.	298.	361.	297.	250.	156.
1027:	122.	83.	62.	53.	58.	53.	35.	45.	29.

% COPPER 511.0 KEV 0.0029

1117:	111.	188.	261.	237.	172.	128.	158.	183.	262.
1126:	645.	2326.	6970.	11165.	8736.	3151.	528.	66.	26.
1135:	18.	20.	22.	22.	15.	18.	11.	15.	17.

% ANTIMONY 564.0 KEV 0.1487

1301:	9.	14.	17.	8.	11.	12.	15.	17.	7.
1310:	8.	14.	13.	23.	26.	37.	28.	17.	12.
1319:	10.	14.	10.	12.	10.	11.	15.	13.	8.

% ARSENIC 657.4 KEV 0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	324.	1448.	0.0029	0.0001	3.2
%-ANTIMONY	564.1	204.	33317.	0.1487	0.0008	0.6
%-ARSENIC	657.4	62.	70.	0.0015	0.0003	20.0

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:47:04 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453A3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12462.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2137:33 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	48.	49.	50.	56.	52.	59.	58.	52.	68.
1018:	87.	100.	154.	243.	321.	393.	302.	236.	152.
1027:	105.	67.	60.	66.	37.	48.	54.	34.	33.

% COPPER 511.100 KEV 0.0031

1117:	100.	226.	310.	260.	197.	122.	180.	206.	313.
1126:	672.	2586.	7686.	12342.	9708.	3475.	592.	55.	29.
1135:	22.	21.	25.	27.	16.	21.	15.	20.	16.

% ANTIMONY 564.09 KEV 0.1735

1301:	17.	5.	13.	14.	13.	4.	9.	10.	17.
1310:	14.	22.	13.	21.	29.	37.	25.	17.	18.
1319:	4.	12.	11.	11.	9.	15.	8.	8.	14.

% ARSENIC 657.40 KEV 0.0018

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	322.	1479.	0.0031	0.0001	3.1
%-ANTIMONY	564.1	220.	36841.	0.1735	0.0009	0.5
%-ARSENIC	657.4	50.	79.	0.0018	0.0003	17.0

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:47:59 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45381
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12757.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2147:51 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	34.	29.	35.	28.	28.	25.	19.	39.	32.
1018:	39.	66.	117.	176.	221.	208.	212.	144.	99.
1027:	68.	42.	30.	24.	26.	19.	30.	19.	22.

% COPPER 511.0 KEV 0.0021

1117:	63.	100.	127.	119.	97.	75.	93.	105.	141.
1126:	381.	1375.	4125.	6628.	5250.	1959.	318.	34.	7.
1135:	11.	19.	16.	8.	16.	8.	10.	5.	9.

% ANTIMONY 564.09 KEV 0.0918

1301:	14.	9.	9.	7.	6.	4.	7.	11.	9.
1310:	11.	9.	10.	5.	13.	18.	13.	7.	10.
1319:	12.	9.	3.	10.	11.	5.	7.	8.	6.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	193.	985.	0.0021	0.0001	3.8
%-ANTIMONY	564.1	116.	19920.	0.0918	0.0007	0.7
%-ARSENIC	657.4	38.	21.	< 6.8972E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:48:55 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453B2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12567.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 17JUN80 2158:09 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	29.	21.	26.	35.	23.	24.	25.	37.	39.
1018:	46.	64.	112.	167.	189.	217.	205.	152.	94.
1027:	66.	44.	35.	20.	30.	19.	31.	21.	25.

% COPPER 511.0 KEV 0.0020

1117:	50.	85.	117.	99.	91.	72.	80.	100.	149.
1126:	316.	1216.	3733.	5965.	4536.	1720.	275.	38.	18.
1135:	9.	11.	11.	10.	12.	8.	12.	8.	7.

% ANTIMONY 564.0 KEV 0.0827

1301:	3.	4.	10.	6.	10.	7.	9.	12.	10.
1310:	13.	7.	4.	19.	17.	17.	15.	10.	9.
1319:	10.	8.	5.	10.	8.	6.	13.	5.	7.

% ARSENIC 657.4 KEV 0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	186.	951.	0.0020	0.0001	3.8
%-ANTIMONY	564.1	114.	17647.	0.0827	0.0006	0.8
%-ARSENIC	657.4	40.	39.	8.6305E-04	2.4312E-04	28.2

XX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45383
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12849.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2208:23 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	29.	27.	23.	39.	32.	36.	38.	34.	33.
1018:	38.	57.	115.	148.	178.	227.	174.	144.	95.
1027:	58.	45.	32.	33.	28.	27.	24.	14.	24.

% COPPER 511.0 KEV 0.0019

1117:	65.	93.	119.	120.	92.	91.	86.	117.	149.
1126:	346.	1305.	3951.	6420.	4922.	1753.	307.	31.	14.
1135:	12.	14.	14.	11.	7.	15.	14.	9.	9.

% ANTIMONY 564.0 KEV 0.0867

1301:	8.	11.	5.	11.	12.	9.	7.	13.	7.
1310:	9.	11.	6.	10.	15.	21.	15.	13.	15.
1319:	12.	7.	7.	11.	5.	9.	8.	5.	9.

% ARSENIC 657.4 KEV 0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	197.	884.	0.0019	0.0001	4.1
%-ANTIMONY	564.1	134.	18870.	0.0867	0.0006	0.7
%-ARSENIC	657.4	43.	36.	7.9285E-04	2.4337E-04	30.7

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:50:46 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453C1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14088.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2218:42 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 610. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	111.	110.	98.	103.	104.	95.	123.	123.	126.
1018:	164.	199.	299.	440.	514.	569.	501.	387.	241.
1027:	157.	113.	122.	103.	78.	96.	80.	99.	78.

% COPPER 511.00 KEV 0.0044

1117:	281.	513.	692.	611.	462.	333.	373.	475.	681.
1126:	1527.	5882.	17304.	27427.	21118.	7537.	1196.	139.	56.
1135:	48.	48.	37.	31.	29.	38.	35.	24.	35.

% ANTIMONY 564.05 KEV 0.3423

1301:	23.	22.	24.	21.	20.	31.	15.	18.	21.
1310:	10.	20.	22.	34.	52.	54.	60.	36.	29.
1319:	18.	12.	14.	16.	17.	11.	27.	17.	18.

% ARSENIC 657.40 KEV 0.0027

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	684.	2267.	0.0044	0.0001	2.7
%-ANTIMONY	564.1	421.	81570.	0.3423	0.0013	0.4
%-ARSENIC	657.4	103.	133.	0.0027	0.0004	13.9

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:51:41 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453C2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12667.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 17JUN80 2229:04 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 609. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	78.	78.	82.	72.	86.	81.	81.	87.	99.
1018:	121.	160.	236.	316.	428.	529.	437.	321.	218.
1027:	149.	121.	87.	77.	70.	72.	82.	77.	80.

% COPPER 511.0 KEV 0.0042

1117:	241.	453.	578.	500.	341.	286.	304.	391.	525.
1126:	1276.	4783.	14147.	22759.	17397.	6209.	969.	125.	43.
1135:	32.	38.	38.	28.	27.	34.	27.	26.	26.

% ANTIMONY 564.0 KEV 0.03142

1301:	26.	24.	17.	27.	13.	20.	22.	15.	27.
1310:	15.	23.	22.	31.	50.	80.	53.	35.	17.
1319:	15.	20.	25.	18.	15.	23.	19.	21.	16.

% ARSENIC 657.4 KEV 0.0034

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	576.	1909.	0.0042	0.0001	2.9
%-ANTIMONY	564.1	335.	67205.	0.03142	0.0013	0.4
%-ARSENIC	657.4	99.	151.	0.0034	0.0004	12.4

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:52:37 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453C3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12831.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2239:27 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 609. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	80.	94.	85.	94.	104.	97.	88.	102.	100.
1018:	146.	164.	241.	360.	487.	532.	483.	368.	242.
1027:	155.	128.	91.	103.	77.	86.	79.	75.	96.

% COPPER 511.00 KEV 0.0046

1117:	256.	445.	678.	587.	355.	287.	346.	406.	584.
1126:	1447.	5212.	15452.	24531.	19065.	6839.	1158.	129.	42.
1135:	54.	36.	42.	27.	39.	31.	36.	26.	25.

% ANTIMONY 564.09 KEV 0.3392

1301:	27.	27.	27.	27.	13.	15.	23.	22.	22.
1310:	16.	9.	18.	26.	36.	73.	37.	34.	21.
1319:	16.	25.	18.	21.	24.	9.	16.	11.	16.

% ARSENIC 657.40 KEV 0.0025

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	616.	2097.	0.0046	0.0001	2.8
%-ANTIMONY	564.1	356.	73348.	0.3392	0.0013	0.4
%-ARSENIC	657.4	95.	111.	0.0025	0.0004	15.7

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:53:32 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453D1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14336.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2249:49 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 606. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	55.	64.	46.	52.	58.	46.	37.	58.	54.
1018:	85.	96.	163.	232.	288.	351.	330.	217.	169.
1027:	94.	85.	54.	46.	56.	56.	34.	51.	45.

% COPPER 511.0 KEV 0.0027

1117:	126.	229.	300.	282.	205.	165.	159.	229.	326.
1126:	717.	2616.	8190.	13368.	10441.	3761.	599.	94.	19.
1135:	20.	15.	17.	19.	24.	16.	12.	14.	15.

% ANTIMONY 564.0 KEV 0.1636

1301:	9.	17.	9.	16.	13.	9.	13.	8.	15.
1310:	15.	12.	11.	20.	30.	16.	32.	19.	12.
1319:	8.	15.	17.	8.	7.	12.	13.	13.	13.

% ARSENIC 657.4 KEV 0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	369.	1381.	0.0027	0.0001	3.3
%-ANTIMONY	564.1	232.	39460.	0.1636	0.0009	0.5
%-ARSENIC	657.4	59.	59.	0.0012	0.0003	22.7

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:54:27 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45302
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15490.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2300:08 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 606. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	63.	70.	66.	71.	56.	62.	77.	61.	82.
1018:	92.	123.	190.	265.	332.	402.	361.	234.	172.
1027:	139.	78.	87.	64.	51.	69.	44.	54.	50.

% COPPER 511.00 KEV 0.0029

1117:	121.	224.	362.	331.	202.	164.	181.	266.	324.
1126:	814.	3117.	8875.	14773.	11293.	4141.	676.	77.	34.
1135:	24.	31.	25.	18.	25.	22.	18.	27.	9.

% ANTIMONY 564.09 KEV 0.1670

1301:	18.	8.	19.	11.	11.	12.	10.	17.	13.
1310:	9.	13.	12.	20.	34.	39.	20.	18.	20.
1319:	10.	15.	18.	13.	16.	10.	12.	10.	10.

% ARSENIC 657.40 KEV 0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	403.	1554.	0.0029	0.0001	3.1
%-ANTIMONY	564.1	249.	43440.	0.1670	0.0008	0.5
%-ARSENIC	657.4	61.	70.	0.0013	0.0003	19.8

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:55:23 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00

SAMPLE IDENTIFICATION: Q453D3

TYPE OF SAMPLE: UNKNOWN

SAMPLE QUANTITY: 13686.00 UNITS: UG

SAMPLE GEOMETRY: RT3 6HR

EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 17JUN80 2310:26 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 606. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	63.	48.	52.	51.	59.	62.	51.	66.	67.
1018:	86.	102.	163.	262.	324.	333.	286.	230.	153.
1027:	114.	61.	79.	48.	52.	47.	42.	49.	43.

% COPPER 511.00 KEV 0.0029

1117:	130.	289.	397.	354.	218.	147.	186.	243.	325.
1126:	754.	2761.	8376.	13495.	10477.	3940.	677.	86.	30.
1135:	15.	18.	17.	26.	20.	11.	21.	13.	17.

% ANTIMONY 564.09 KEV 0.1755

1301:	11.	14.	13.	17.	15.	13.	17.	11.	15.
1310:	21.	8.	18.	16.	32.	48.	32.	23.	16.
1319:	17.	10.	10.	27.	9.	11.	13.	8.	17.

% ARSENIC 657.40 KEV 0.0017

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	384.	1367.	0.0029	0.0001	3.4
%-ANTIMONY	564.1	230.	40250.	0.1755	0.0009	0.5
%-ARSENIC	657.4	70.	81.	0.0017	0.0003	18.4

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:56:18 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U453E1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14204.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2320:45 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	53.	55.	46.	44.	51.	56.	58.	79.	79.
1018:	146.	195.	339.	554.	643.	701.	672.	477.	296.
1027:	159.	109.	78.	46.	59.	43.	31.	41.	48.

% COPPER 511.0 KEV 0.0070

1117:	57.	71.	74.	97.	94.	109.	119.	164.	228.
1126:	496.	1965.	5862.	9475.	7298.	2678.	452.	39.	18.
1135:	11.	22.	13.	18.	8.	22.	17.	13.	13.

% ANTIMONY 564.05 KEV 0.1181

1301:	10.	9.	15.	12.	15.	5.	18.	8.	12.
1310:	6.	15.	7.	11.	13.	11.	11.	18.	12.
1319:	10.	9.	10.	10.	15.	7.	12.	14.	19.

% ARSENIC 657.40 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	249.	3433.	0.0070	0.0001	1.8
%-ANTIMONY	564.1	158.	28068.	0.1181	0.0007	0.6
%-ARSENIC	657.4	57.	-5.	< 7.7775E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:57:14 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U453E2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13197.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 17JUN80 2331:04 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	41.	33.	40.	43.	55.	46.	52.	47.	77.
1018:	101.	181.	305.	430.	558.	644.	587.	428.	256.
1027:	138.	80.	61.	44.	40.	39.	29.	31.	31.

% COPPER 511.0 KEV 0.0065

1117:	63.	66.	93.	95.	91.	81.	125.	128.	211.
1126:	465.	1736.	5248.	8406.	6567.	2356.	443.	55.	21.
1135:	22.	12.	20.	13.	12.	18.	27.	25.	15.

% ANTIMONY 564.0 KEV 0.1136

1301:	11.	21.	13.	11.	10.	11.	7.	12.	17.
1310:	15.	10.	10.	9.	11.	22.	17.	9.	14.
1319:	12.	13.	19.	10.	8.	8.	7.	13.	9.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	280.	2928.	0.0065	0.0001	2.0
%-ANTIMONY	564.1	188.	25033.	0.1136	0.0007	0.7
%-ARSENIC	657.4	56.	13. <	8.3402E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:58:09 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453E3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10815.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2341:21 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	27.	33.	43.	42.	42.	44.	34.	64.	63.
1018:	79.	129.	256.	385.	541.	581.	527.	386.	277.
1027:	146.	71.	53.	42.	42.	37.	21.	33.	29.

% COPPER 511.0 KEV 0.0075

1117:	53.	58.	82.	81.	81.	78.	102.	110.	166.
1126:	372.	1476.	4601.	7415.	5723.	1988.	349.	39.	16.
1135:	15.	13.	9.	6.	7.	16.	17.	7.	6.

% ANTIMONY 564.0 KEV 0.1207

1301:	14.	7.	9.	9.	10.	7.	12.	10.	8.
1310:	12.	7.	4.	8.	12.	18.	7.	10.	11.
1319:	9.	5.	8.	7.	8.	3.	11.	9.	14.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	207.	2746.	0.0075	0.0002	2.1
%-ANTIMONY	564.1	160.	21764.	0.1207	0.0008	0.7
%-ARSENIC	657.4	40.	3. <	8.7545E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 7:59:04 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U453F1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12746.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 17JUN80 2351:40 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 610. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	89.	103.	98.	114.	79.	82.	105.	92.	116.
1018:	117.	163.	245.	337.	406.	517.	439.	341.	233.
1027:	155.	117.	99.	82.	105.	67.	88.	93.	62.

% COPPER 511.00 KEV 0.0046

1117:	216.	403.	602.	579.	362.	247.	297.	376.	555.
1126:	1369.	4982.	14859.	23780.	17795.	6449.	1101.	142.	43.
1135:	35.	25.	29.	36.	39.	25.	12.	32.	35.

% ANTIMONY 564.09 KEV 0.3300

1301:	20.	17.	19.	18.	21.	19.	12.	25.	14.
1310:	15.	16.	12.	33.	44.	74.	49.	29.	19.
1319:	8.	24.	17.	16.	13.	12.	10.	15.	15.

% ARSENIC 657.40 KEV 0.0035

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	564.	1955.	0.0046	0.0001	2.9
%-ANTIMONY	564.1	337.	69998.	0.3300	0.0013	0.4
%-ARSENIC	657.4	80.	149.	0.0035	0.0004	11.8

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:00:00 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U453F2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13541.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 18JUN80 2:03 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 609. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	91.	71.	82.	87.	93.	97.	74.	87.	99.
1018:	117.	130.	210.	313.	399.	446.	410.	322.	211.
1027:	136.	108.	89.	71.	74.	81.	78.	76.	80.

% COPPER 511.0 KEV 0.0039

1117:	208.	396.	556.	517.	336.	258.	279.	381.	521.
1126:	1232.	4720.	14291.	22659.	17482.	6154.	990.	111.	41.
1135:	21.	28.	44.	22.	26.	25.	27.	24.	26.

% ANTIMONY 564.05 KEV 0.2987

1301:	19.	13.	17.	24.	15.	11.	25.	11.	18.
1310:	16.	15.	15.	35.	34.	71.	37.	33.	13.
1319:	16.	24.	11.	21.	14.	18.	15.	23.	10.

% ARSENIC 657.40 KEV 0.0027

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	582.	1729.	0.0039	0.0001	3.1
%-ANTIMONY	564.1	358.	67170.	0.2987	0.0012	0.4
%-ARSENIC	657.4	86.	125.	0.0027	0.0004	13.8

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:00:56 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453F3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12744.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 18JUN80 12:25 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 609. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	86.	85.	75.	87.	84.	82.	97.	99.	118.
1018:	146.	213.	223.	374.	480.	481.	452.	397.	244.
1027:	147.	106.	116.	94.	64.	89.	82.	73.	81.

% COPPER 511.0 KEV 0.0050

1117:	201.	374.	579.	516.	317.	265.	293.	338.	487.
1126:	1312.	4951.	14566.	22647.	17505.	6182.	1089.	119.	44.
1135:	23.	29.	29.	39.	29.	25.	20.	16.	35.

% ANTIMONY 564.0 KEV 0.03215

1301:	13.	11.	19.	19.	20.	11.	15.	5.	21.
1310:	11.	23.	26.	26.	55.	67.	42.	23.	24.
1319:	20.	22.	18.	13.	13.	14.	13.	12.	27.

% ARSENIC 657.4 KEV 0.0034

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	543.	2108.	0.0050	0.0001	2.7
%-ANTIMONY	564.1	331.	67921.	0.03215	0.0013	0.4
%-ARSENIC	657.4	73.	144.	0.0034	0.0004	11.9

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:01:51 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U45361
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13108.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 18JUN80 22:48 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	42.	38.	56.	41.	46.	43.	60.	68.	58.
1018:	120.	169.	276.	477.	604.	655.	576.	493.	236.
1027:	136.	96.	71.	48.	37.	37.	41.	30.	38.

% COPPER 511.0 KEV 0.0072

1117:	67.	74.	89.	88.	74.	92.	108.	149.	213.
1126:	446.	1846.	5483.	8761.	6882.	2365.	423.	45.	22.
1135:	11.	11.	8.	8.	12.	6.	15.	9.	11.

% ANTIMONY 564.05 KEV 0.1201

1301:	11.	10.	11.	9.	10.	13.	10.	8.	6.
1310:	10.	9.	7.	7.	11.	11.	17.	9.	11.
1319:	8.	5.	10.	6.	8.	11.	8.	7.	5.

% ARSENIC 657.40 KEV <0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	241.	3076.	0.0072	0.0001	2.0
%-ANTIMONY	564.1	151.	26055.	0.1201	0.0008	0.6
%-ARSENIC	657.4	47.	12.	< 7.8824E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:02:46 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45362
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12529.00 UNITS: UG
 SAMPLE GEOMETRY: R13 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 33:06 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	31.	39.	40.	36.	47.	50.	56.	58.	68.
1018:	119.	164.	300.	460.	591.	663.	562.	439.	282.
1027:	154.	75.	55.	45.	36.	32.	40.	20.	36.

% COPPER 511.0 KEV 0.0076

1117:	44.	51.	96.	84.	86.	118.	109.	163.	241.
1126:	442.	1727.	5217.	8181.	6415.	2178.	381.	42.	12.
1135:	14.	15.	11.	13.	13.	16.	14.	20.	11.

% ANTIMONY 564.0 KEV 0.1178

1301:	11.	9.	9.	5.	11.	.8.	11.	3.	5.
1310:	11.	14.	9.	10.	16.	16.	15.	13.	11.
1319:	9.	10.	8.	17.	8.	14.	10.	14.	7.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	229.	3068.	0.0076	0.0001	2.0
%-ANTIMONY	564.1	156.	24385.	0.1178	0.0008	0.7
%-ARSENIC	657.4	53.	19.	< 8.7615E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:03:42 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q45363
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12679.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 43:25 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	38.	48.	46.	35.	31.	61.	40.	43.	70.
1018:	98.	170.	265.	410.	538.	587.	532.	429.	264.
1027:	122.	75.	46.	38.	42.	30.	33.	37.	27.

% COPPER 511.00 KEV 0.0069

1117:	47.	52.	86.	91.	82.	90.	111.	136.	193.
1126:	419.	1619.	4861.	7817.	6068.	2144.	360.	41.	15.
1135:	8.	15.	10.	15.	16.	5.	16.	8.	11.

% ANTIMONY 564.09 KEV 0.1107

1301:	9.	5.	12.	8.	8.	11.	13.	7.	8.
1310:	8.	13.	2.	5.	5.	8.	11.	7.	3.
1319:	15.	13.	7.	13.	5.	9.	7.	8.	8.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	221.	2804.	0.0069	0.0001	2.0
%-ANTIMONY	564.1	155.	23133.	0.1107	0.0007	0.7
%-ARSENIC	657.4	43.	-10.	< 7.9325E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:04:37 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453H1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12863.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 18JUN80 53:43 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 608. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	65.	73.	74.	90.	88.	86.	83.	95.	101.
1018:	120.	137.	194.	291.	412.	405.	371.	264.	174.
1027:	130.	103.	82.	80.	68.	100.	85.	57.	63.

% COPPER 511.00 KEV 0.0038

1117:	211.	408.	516.	436.	290.	230.	266.	350.	478.
1126:	1120.	4381.	13011.	20685.	15665.	5599.	942.	104.	46.
1135:	19.	27.	21.	25.	22.	32.	21.	27.	17.

% ANTIMONY 564.07 KEV 0.2887

1301:	14.	25.	12.	15.	15.	13.	22.	9.	18.
1310:	10.	17.	19.	35.	40.	48.	50.	18.	13.
1319:	16.	10.	14.	13.	17.	13.	17.	18.	14.

% ARSENIC 657.40 KEV 0.0027

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	544.	1567.	0.0038	0.0001	3.3
%-ANTIMONY	564.1	291.	61113.	0.2887	0.0012	0.4
%-ARSENIC	657.4	79.	113.	0.0027	0.0004	14.6

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:05:33 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453H2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12777.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 18JUN80 104:05 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 609. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	89.	94.	93.	92.	79.	93.	84.	107.	116.
1018:	144.	164.	227.	303.	374.	476.	365.	310.	221.
1027:	183.	118.	95.	95.	90.	82.	70.	92.	83.

% COPPER 511.0 KEV 0.0042

1117:	233.	399.	587.	544.	328.	284.	303.	361.	538.
1126:	1273.	4972.	14608.	23475.	17773.	6310.	1151.	134.	34.
1135:	39.	26.	27.	34.	23.	32.	22.	26.	33.

% ANTIMONY 564.09 KEV 0.3297

1301:	13.	22.	23.	11.	21.	28.	13.	21.	13.
1310:	17.	15.	21.	28.	40.	69.	52.	32.	26.
1319:	16.	13.	22.	18.	17.	10.	17.	13.	15.

% ARSENIC 657.40 KEV 0.0031

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	592.	1684.	0.0042	0.0001	3.2
%-ANTIMONY	564.1	361.	69202.	0.3297	0.0013	0.4
%-ARSENIC	657.4	90.	131.	0.0031	0.0004	13.5

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:06:28 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453M3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13120.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 114:28 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 609. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	99.	98.	96.	97.	100.	91.	99.	94.	103.
1018:	140.	170.	249.	319.	452.	429.	420.	336.	221.
1027:	159.	138.	96.	95.	81.	70.	97.	75.	80.

% COPPER 511.0 KEV 0.0044

1117:	237.	427.	650.	565.	380.	298.	326.	415.	613.
1126:	1386.	5509.	15869.	24653.	18613.	6599.	1107.	132.	39.
1135:	38.	38.	35.	29.	23.	30.	29.	24.	32.

% ANTIMONY 564.0 KEV 0.3410

1301:	37.	29.	19.	18.	23.	16.	15.	17.	23.
1310:	10.	20.	24.	29.	60.	75.	52.	27.	15.
1319:	20.	23.	10.	12.	14.	13.	15.	16.	19.

% ARSENIC 657.4 KEV 0.0036

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	629.	1797.	0.0044	0.0001	3.1
%-ANTIMONY	564.1	375.	73362.	0.3410	0.0013	0.4
%-ARSENIC	657.4	87.	156.	0.0036	0.0004	11.7

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:07:23 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U45311
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12314.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 124:50 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 608. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	63.	69.	76.	72.	72.	88.	87.	76.	110.
1018:	129.	135.	208.	267.	353.	397.	332.	280.	201.
1027:	127.	81.	88.	78.	79.	78.	73.	68.	75.

% COPPER 511.0 KEV 0.0041

1117:	196.	360.	542.	475.	272.	229.	280.	334.	490.
1126:	1121.	4371.	12868.	20460.	15689.	5538.	942.	105.	34.
1135:	33.	27.	25.	31.	24.	27.	17.	18.	17.

% ANTIMONY 564.0 KEV 0.3010

1301:	19.	17.	17.	17.	17.	17.	14.	13.	15.
1310:	6.	12.	23.	25.	37.	52.	45.	33.	21.
1319:	13.	26.	13.	11.	30.	9.	15.	17.	9.

% ARSENIC 657.4 KEV 0.0027

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	475.	1563.	0.0041	0.0001	3.2
%-ANTIMONY	564.1	325.	60664.	0.3010	0.0013	0.4
%-ARSENIC	657.4	84.	108.	0.0027	0.0004	15.3

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:08:19 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLe IDENTIFICATION: Q453I2
 TYPE OF SAMPLe: UNKNOWN
 SAMPLe QUANTITY: 12555.00 UNITS: UG
 SAMPLe GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 135:13 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 609. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	93.	87.	81.	90.	90.	90.	83.	88.	92.
1018:	111.	152.	223.	304.	399.	412.	399.	269.	221.
1027:	164.	113.	105.	88.	65.	68.	68.	66.	73.

% COPPER 511.0 KEV 0.0044

1117:	207.	377.	592.	548.	317.	225.	311.	359.	516.
1126:	1171.	4465.	13632.	22167.	17605.	6497.	1129.	107.	47.
1135:	36.	27.	39.	39.	26.	30.	33.	36.	34.

% ANTIMONY 564.0 KEV 0.3234

1301:	22.	16.	22.	27.	17.	14.	11.	17.	21.
1310:	16.	23.	24.	28.	64.	60.	51.	29.	22.
1319:	13.	17.	11.	22.	16.	14.	17.	14.	16.

% ARSENIC 657.4 KEV 0.0035

UNKNOWN SAMPLe REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	543.	1685.	0.0044	0.0001	3.1
%-ANTIMONY	564.1	327.	66339.	0.3234	0.0013	0.4
%-ARSENIC	657.4	90.	143.	0.0035	0.0004	12.6

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:09:14 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453I3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13019.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 145:36 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 609. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	61.	87.	115.	90.	90.	82.	104.	109.	122.
1018:	121.	137.	206.	309.	433.	441.	426.	289.	219.
1027:	143.	131.	107.	86.	84.	74.	80.	78.	91.

% COPPER 511.100 KEV U . 0045

1117:	196.	333.	558.	567.	354.	278.	265.	380.	472.
1126:	1130.	4143.	12765.	22442.	19076.	7588.	1456.	148.	47.
1135:	27.	27.	38.	24.	24.	27.	43.	29.	29.

% ANTIMONY 564.07 KEV 0 . 3214

1301:	16.	18.	16.	22.	19.	18.	16.	9.	22.
1310:	14.	18.	18.	19.	53.	65.	55.	29.	16.
1319:	12.	22.	7.	17.	12.	11.	12.	13.	19.

% ARSENIC 657.40 KEV U . 0034

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	572.	1751.	0.0045	0.0001	3.1
%-ANTIMONY	564.1	374.	68226.	0.3214	0.0013	0.4
%-ARSENIC	657.4	79.	142.	0.0034	0.0004	12.2

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:10:09 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U453J1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12988.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 155:58 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345451 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	29.	31.	31.	27.	26.	26.	24.	33.	28.
1018:	28.	63.	81.	125.	153.	206.	178.	161.	109.
1027:	61.	51.	30.	24.	26.	19.	24.	17.	22.

% COPPER 511.1 ± 0.0 KEV 0.0021

1117:	49.	75.	96.	135.	79.	83.	90.	107.	150.
1126:	265.	1054.	3357.	6018.	5263.	2281.	415.	59.	12.
1135:	17.	11.	12.	10.	7.	5.	9.	9.	10.

% ANTIMONY 564.1 ± 0.9 KEV 0.0877

1301:	4.	9.	9.	11.	8.	11.	11.	4.	12.
1310:	6.	11.	9.	3.	10.	12.	19.	13.	11.
1319:	9.	6.	8.	10.	7.	4.	8.	16.	10.

% ARSENIC 657.4 ± 0.0 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	179.	835.	0.0021	0.0001	4.1
%-ANTIMONY	564.1	102.	18551.	0.0877	0.0007	0.8
%-ARSENIC	657.4	47.	19.	< 8.2874E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:11:05 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453J2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13584.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 18JUN80 206:16 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	36.	21.	30.	14.	37.	34.	27.	44.	35.
1018:	42.	54.	88.	119.	152.	174.	176.	148.	84.
1027:	66.	37.	25.	31.	20.	24.	21.	29.	20.

% COPPER 511.0 KEV 0.0019

1117:	52.	67.	96.	149.	82.	88.	77.	81.	132.
1126:	255.	947.	3213.	5925.	5401.	2316.	473.	48.	13.
1135:	21.	13.	15.	11.	10.	6.	9.	7.	10.

% ANTIMONY 564.0 KEV 0.0834

1301:	10.	11.	6.	8.	10.	7.	4.	10.	7.
1310:	7.	7.	7.	7.	9.	16.	21.	9.	10.
1319:	10.	10.	9.	4.	4.	2.	6.	6.	8.

% ARSENIC 657.4 KEV 0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	177.	764.	0.0019	0.0001	4.4
%-ANTIMONY	564.1	116.	18415.	0.0834	0.0006	0.8
%-ARSENIC	657.4	32.	33.	7.6316E-04	2.2787E-04	29.9

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:12:00 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00

SAMPLE IDENTIFICATION: Q453J3

TYPE OF SAMPLE: UNKNOWN

SAMPLE QUANTITY: 12750.00 UNITS: UG

SAMPLE GEOMETRY: RT3 6HR

EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 216:35 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	27.	28.	22.	28.	26.	29.	28.	28.	45.
1018:	30.	52.	87.	123.	170.	192.	172.	130.	96.
1027:	60.	44.	33.	33.	26.	27.	26.	16.	12.

% COPPER 511.00 KEV 0.0021

1117:	64.	76.	106.	128.	74.	61.	78.	91.	146.
1126:	242.	958.	3025.	5850.	5101.	2140.	440.	51.	11.
1135:	13.	9.	15.	10.	13.	7.	9.	6.	13.

% ANTIMONY 564.07 KEV 0.0853

1301:	9.	11.	5.	8.	5.	7.	4.	7.	6.
1310:	8.	7.	7.	9.	14.	15.	13.	18.	7.
1319:	8.	5.	10.	6.	8.	9.	9.	6.	6.

% ARSENIC 657.40 KEV 0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	190.	780.	0.0021	0.0001	4.4
%-ANTIMONY	564.1	113.	17643.	0.0853	0.0007	0.8
%-ARSENIC	657.4	37.	32.	7.9202E-04	2.5493E-04	32.2

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:12:55 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00

SAMPLE IDENTIFICATION: Q453K1

TYPE OF SAMPLE: UNKNOWN

SAMPLE QUANTITY: 13343.00 UNITS: UG

SAMPLE GEOMETRY: RT3 6HR

EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 226:49 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	25.	34.	21.	26.	28.	22.	26.	20.	33.
1018:	40.	57.	82.	123.	184.	181.	162.	143.	70.
1027:	51.	41.	35.	32.	21.	25.	21.	27.	25.

% COPPER 511.00 KEV 0.0020

1117:	40.	43.	49.	62.	56.	51.	63.	86.	108.
1126:	247.	839.	2707.	4808.	4170.	1757.	378.	39.	14.
1135:	8.	9.	12.	12.	7.	8.	6.	9.	10.

% ANTIMONY 564.09 KEV 0.0685

1301:	9.	13.	10.	13.	12.	3.	9.	8.	7.
1310:	7.	6.	4.	6.	13.	5.	15.	1.	6.
1319:	5.	4.	7.	5.	4.	9.	10.	8.	8.

% ARSENIC 657.40 KEV <0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	154.	791.	0.0020	0.0001	4.2
%-ANTIMONY	564.1	102.	14804.	0.0685	0.0006	0.8
%-ARSENIC	657.4	44.	-0.	< 7.9299E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:13:51 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453K2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12956.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 237:04 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	16.	27.	18.	15.	18.	21.	27.	24.	21.
1018:	32.	43.	62.	120.	155.	185.	146.	128.	105.
1027:	49.	44.	27.	35.	27.	18.	23.	19.	23.

% COPPER 511.000 KEV 0.0020

1117:	31.	43.	36.	40.	40.	48.	72.	87.	132.
1126:	229.	731.	2555.	4623.	4243.	1850.	340.	43.	9.
1135:	11.	7.	10.	12.	12.	17.	11.	5.	6.

% ANTIMONY 564.05 KEV 0.0692

1301:	7.	15.	9.	8.	7.	8.	9.	6.	5.
1310:	6.	7.	12.	9.	8.	8.	13.	7.	6.
1319:	11.	6.	8.	12.	8.	7.	9.	7.	8.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	149.	752.	0.0020	0.0001	4.3
%-ANTIMONY	564.1	90.	14481.	0.0692	0.0006	0.8
%-ARSENIC	657.4	45.	5.	< 8.3325E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:14:46 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U453K3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13609.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 247:19 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	34.	32.	14.	31.	24.	35.	15.	29.	27.
1018:	36.	44.	84.	141.	170.	200.	194.	153.	74.
1027:	70.	40.	34.	36.	31.	25.	29.	21.	24.

% COPPER 511.00 KEV 0.0021

1117:	32.	36.	52.	53.	56.	69.	81.	87.	120.
1126:	235.	829.	2768.	5271.	4906.	2310.	456.	44.	9.
1135:	16.	13.	11.	12.	14.	14.	13.	10.	7.

% ANTIMONY 564.09 KEV 0.0759

1301:	10.	8.	11.	8.	6.	5.	6.	9.	6.
1310:	2.	3.	8.	6.	13.	7.	10.	10.	6.
1319:	7.	9.	5.	13.	7.	10.	6.	7.	9.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	191.	825.	0.0021	0.0001	4.2
%-ANTIMONY	564.1	104.	16671.	0.0759	0.0006	0.8
%-ARSENIC	657.4	41.	5.	< 7.5922E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:15:41 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453L1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13471.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 257:33 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 609. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	97.	103.	86.	81.	100.	102.	89.	81.	99.
1018:	108.	136.	242.	308.	369.	443.	414.	328.	226.
1027:	144.	116.	99.	90.	82.	98.	73.	80.	73.

% COPPER 511.0 KEV 0.0045

1117:	200.	346.	567.	549.	395.	297.	291.	375.	502.
1126:	1026.	3822.	12378.	22459.	20615.	8884.	1691.	218.	51.
1135:	41.	37.	30.	39.	30.	22.	29.	19.	17.

% ANTIMONY 564.0 KEV 0.3251

1301:	21.	20.	27.	19.	22.	17.	13.	20.	13.
1310:	26.	15.	17.	21.	40.	63.	61.	39.	21.
1319:	16.	15.	15.	22.	12.	18.	20.	16.	16.

% ARSENIC 657.4 KEV 0.0030

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	603.	1727.	0.0045	0.0001	3.1
%-ANTIMONY	564.1	368.	70507.	0.3251	0.0013	0.4
%-ARSENIC	657.4	97.	128.	0.0030	0.0004	14.1

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:16:37 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453L2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13247.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 307:55 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 609. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	90.	95.	82.	96.	84.	89.	91.	102.	108.
1018:	109.	143.	219.	285.	379.	413.	364.	327.	234.
1027:	167.	111.	86.	81.	71.	71.	75.	71.	80.

% COPPER 511.0 KEV 0.0044

1117:	180.	341.	548.	519.	378.	253.	283.	328.	513.
1126:	1054.	3684.	11940.	21837.	19278.	8192.	1639.	189.	58.
1135:	40.	24.	38.	34.	25.	30.	25.	19.	20.

% ANTIMONY 564.0 KEV 0.3160

1301:	12.	21.	17.	15.	22.	16.	27.	18.	21.
1310:	16.	21.	20.	23.	52.	71.	52.	31.	23.
1319:	18.	21.	19.	16.	24.	20.	21.	12.	20.

% ARSENIC 657.40 KEV 0.0033

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	592.	1630.	0.0044	0.0001	3.3
%-ANTIMONY	564.1	350.	67274.	0.3160	0.0013	0.4
%-ARSENIC	657.4	92.	137.	0.0033	0.0004	13.1

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:17:32 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q453L3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14366.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 318:17 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 611. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	96.	119.	100.	90.	113.	114.	97.	96.	131.
1018:	129.	186.	207.	315.	470.	506.	425.	336.	252.
1027:	182.	122.	110.	107.	106.	89.	87.	99.	100.

% COPPER 511.0 KEV 0.0046

1117:	227.	397.	670.	686.	430.	331.	358.	397.	574.
1126:	1209.	4499.	14429.	25802.	22981.	9777.	1936.	226.	63.
1135:	39.	43.	41.	39.	33.	39.	20.	26.	23.

% ANTIMONY 564.0 KEV 0.3480

1301:	16.	22.	20.	18.	25.	26.	22.	24.	15.
1310:	16.	24.	24.	31.	68.	81.	69.	30.	19.
1319:	21.	24.	23.	23.	21.	21.	26.	17.	23.

% ARSENIC 657.4 KEV 0.0038

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	673.	1838.	0.0046	0.0001	3.1
%-ANTIMONY	564.1	440.	80193.	0.3480	0.0013	0.4
%-ARSENIC	657.4	110.	170.	0.0038	0.0004	11.7

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:18:28 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038A1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13645.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 328:40 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	13.	18.	11.	18.	13.	21.	19.	16.	23.
1018:	24.	45.	85.	103.	148.	194.	189.	138.	66.
1027:	47.	27.	21.	18.	16.	7.	9.	13.	16.

% COPPER 511.1 ± 0.0 KEV 0.0022

1117:	16.	17.	18.	28.	27.	26.	32.	33.	49.
1126:	98.	331.	1136.	2198.	2012.	890.	184.	19.	12.
1135:	6.	8.	8.	5.	4.	11.	5.	6.	7.

% ANTIMONY 564.1 ± 0.9 KEV 0.0311

1301:	2.	4.	8.	6.	7.	8.	12.	4.	2.
1310:	9.	7.	8.	10.	4.	7.	3.	10.	10.
1319:	6.	6.	7.	4.	5.	7.	6.	3.	8.

% ARSENIC 657.4 ± 4.0 KEV < 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	83.	840.	0.0022	0.0001	3.8
%-ANTIMONY	564.1	64.	6785.	0.0311	0.0004	1.2
%-ARSENIC	657.4	29.	7.	< 6.6245E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:19:23 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038A2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13386.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 338:55 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	23.	30.	14.	19.	20.	15.	28.	19.	27.
1018:	41.	44.	71.	98.	152.	167.	148.	108.	79.
1027:	50.	22.	23.	20.	18.	19.	7.	13.	12.

% COPPER 511.0 KEV 0.0020

1117:	20.	25.	13.	26.	28.	22.	36.	32.	59.
1126:	82.	269.	1022.	1917.	1780.	892.	208.	17.	16.
1135:	10.	5.	11.	10.	9.	11.	4.	9.	8.

% ANTIMONY 564.0 KEV 0.0285

1301:	5.	7.	8.	10.	11.	7.	8.	3.	15.
1310:	8.	4.	4.	12.	6.	6.	11.	17.	6.
1319:	5.	3.	11.	9.	10.	7.	9.	9.	6.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	87.	736.	0.0020	0.0001	4.1
%-ANTIMONY	564.1	74.	6097.	0.0285	0.0004	1.3
%-ARSENIC	657.4	44.	9. < 8.1587E-04			NOT DETECTABLE

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:20:18 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038A3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13952.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 349:09 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBKATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	17.	16.	13.	9.	18.	20.	15.	21.	17.
1018:	34.	37.	72.	127.	141.	198.	184.	122.	82.
1027:	52.	41.	19.	22.	13.	9.	16.	21.	19.

% COPPER 511.0 KEV 0.0022

1117:	18.	14.	21.	23.	20.	35.	43.	37.	52.
1126:	115.	372.	1151.	2179.	2186.	968.	197.	22.	1.
1135:	13.	9.	10.	8.	3.	7.	3.	1.	6.

% ANTIMONY 564.0 KEV 0.0319

1301:	5.	6.	6.	6.	8.	7.	8.	1.	6.
1310:	8.	3.	6.	6.	4.	7.	7.	7.	13.
1319:	4.	7.	9.	5.	8.	5.	5.	10.	10.

% ARSENIC 657.4 KEV <0.000>

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	97.	829.	0.0022	0.0001	3.9
%-ANTIMONY	564.1	75.	7093.	0.0319	0.0004	1.2
%-ARSENIC	657.4	33.	5.	< 6.9309E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:21:14 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038E1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13122.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 18JUN80 359:24 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	40.	35.	33.	33.	38.	36.	32.	37.	47.
1018:	45.	57.	79.	150.	176.	205.	197.	127.	90.
1027:	65.	45.	36.	34.	31.	23.	25.	24.	32.

% COPPER 511.0 KEV 0.0023

1117:	59.	82.	136.	148.	110.	97.	110.	130.	153.
1126:	358.	1212.	4117.	7414.	6944.	3093.	623.	66.	18.
1135:	16.	16.	10.	6.	14.	8.	9.	8.	9.

% ANTIMONY 564.0 KEV 0.1130

1301:	9.	9.	6.	6.	9.	10.	2.	4.	9.
1310:	4.	17.	9.	8.	12.	13.	15.	11.	2.
1319:	7.	9.	8.	3.	9.	10.	6.	5.	6.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	207.	817.	0.0023	0.0001	4.3
%-ANTIMONY	564.1	136.	23625.	0.1130	0.0008	0.7
%-ARSENIC	657.4	37.	14.	< 7.7500E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:22:09 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U1038B2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13666.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 409:43 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	24.	27.	34.	28.	27.	31.	34.	32.	52.
1018:	49.	70.	83.	145.	169.	182.	165.	111.	89.
1027:	69.	51.	34.	30.	38.	33.	36.	25.	18.

% COPPER 511.0 KEV 0.0020

1117:	58.	81.	122.	131.	104.	99.	100.	120.	161.
1126:	307.	1160.	3901.	7277.	6487.	2884.	637.	66.	19.
1135:	13.	9.	13.	13.	11.	7.	10.	13.	14.

% ANTIMONY 564.0 KEV 0.1037

1301:	13.	6.	14.	11.	13.	11.	6.	3.	10.
1310:	7.	8.	7.	3.	15.	13.	19.	21.	10.
1319:	7.	9.	9.	2.	5.	10.	8.	11.	7.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	225.	719.	0.0020	0.0001	4.8
%-ANTIMONY	564.1	126.	22527.	0.1037	0.0007	0.7
%-ARSENIC	657.4	46.	32.	< 8.2696E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:23:04 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q103883
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12644.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 18JUN80 420:01 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	27.	40.	36.	28.	38.	31.	35.	37.	32.
1018:	46.	50.	81.	137.	154.	196.	156.	137.	134.
1027:	67.	53.	37.	44.	36.	24.	29.	22.	32.

% COPPER 511.0 KEV 0.0023

1117:	68.	74.	109.	117.	95.	72.	100.	115.	153.
1126:	334.	1156.	3811.	7067.	6567.	2886.	597.	61.	34.
1135:	14.	12.	14.	10.	15.	13.	5.	12.	11.

% ANTIMONY 564.0 KEV 0.1110

1301:	6.	10.	17.	16.	8.	7.	8.	9.	15.
1310:	17.	9.	7.	13.	13.	16.	18.	12.	5.
1319:	8.	12.	8.	13.	5.	16.	10.	9.	9.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	216.	779.	0.0023	0.0001	4.5
%-ANTIMONY	564.1	146.	22272.	0.1110	0.0008	0.7
%-ARSENIC	657.4	56.	16.	< 9.8416E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:24:00 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038C1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14075.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 430:19 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	42.	30.	29.	32.	24.	43.	36.	37.	34.
1018:	51.	54.	84.	141.	186.	201.	199.	153.	102.
1027:	72.	47.	21.	29.	25.	39.	24.	38.	23.

% COPPER 511.1 ± 0.0 KEV 0.0023

1117:	60.	87.	131.	128.	103.	106.	92.	124.	166.
1126:	340.	1250.	4080.	7649.	7384.	3258.	653.	73.	15.
1135:	9.	12.	16.	10.	12.	6.	23.	10.	9.

% ANTIMONY 564.1 ± 0.7 KEV 0.1098

1301:	11.	9.	3.	9.	5.	11.	8.	7.	8.
1310:	9.	8.	6.	10.	15.	18.	11.	18.	6.
1319:	9.	9.	14.	12.	11.	7.	6.	6.	12.

% ARSENIC 657.4 ± 0.0 KEV 0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	211.	855.	0.0023	0.0001	4.2
%-ANTIMONY	564.1	146.	24468.	0.1098	0.0007	0.7
%-ARSENIC	657.4	40.	33.	7.7275E-04	2.5117E-04	32.5

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:24:55 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U1038C2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13181.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 440:38 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	32.	32.	32.	38.	32.	31.	40.	31.	42.
1018:	49.	59.	64.	120.	153.	163.	173.	144.	79.
1027:	77.	33.	43.	35.	43.	31.	23.	35.	19.

% COPPER 511.00 KEV 0.0020

1117:	58.	84.	116.	115.	113.	93.	103.	114.	155.
1126:	359.	1099.	3836.	7076.	6526.	2891.	577.	68.	15.
1135:	18.	12.	8.	10.	17.	9.	12.	16.	15.

% ANTIMONY 564.09 KEV 0.1067

1301:	9.	12.	13.	8.	8.	7.	8.	13.	10.
1310:	7.	7.	11.	9.	13.	15.	14.	12.	5.
1319:	9.	13.	6.	5.	7.	17.	9.	15.	12.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	218.	691.	0.0020	0.0001	4.9
%-ANTIMONY	564.1	132.	22232.	0.1067	0.0007	0.7
%-ARSENIC	657.4	51.	12.	< 9.1192E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:25:51 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038C3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12648.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 450:57 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	30.	35.	28.	34.	36.	29.	27.	41.	46.
1018:	43.	65.	88.	100.	151.	169.	156.	132.	85.
1027:	60.	34.	34.	37.	25.	32.	29.	31.	30.

% COPPER 511.00 KEV 0.0020

1117:	58.	92.	128.	119.	86.	77.	99.	106.	149.
1126:	317.	1144.	3674.	6945.	6590.	2965.	634.	72.	15.
1135:	8.	13.	15.	13.	10.	14.	7.	9.	14.

% ANTIMONY 564.09 KEV 0.1109

1301:	8.	4.	10.	7.	10.	10.	8.	4.	7.
1310:	8.	11.	8.	11.	12.	10.	14.	7.	9.
1319:	7.	6.	7.	6.	7.	9.	8.	6.	10.

% ARSENIC 657.40 KEV <0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	225.	656.	0.0020	0.0001	5.1
%-ANTIMONY	564.1	141.	22128.	0.1109	0.0008	0.7
%-ARSENIC	657.4	39.	17.	< 8.4273E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:26:46 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038D1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15036.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 501:15 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	30.	28.	32.	36.	41.	27.	44.	38.	42.
1018:	50.	55.	77.	110.	167.	190.	165.	136.	92.
1027:	58.	46.	41.	34.	22.	34.	24.	31.	25.

% COPPER 511.00 KEV 0.0018

1117:	72.	100.	133.	146.	110.	91.	84.	120.	176.
1126:	383.	1204.	4118.	7883.	7408.	3348.	715.	84.	23.
1135:	7.	8.	14.	9.	11.	10.	17.	10.	12.

% ANTIMONY 564.09 KEV 0.1052

1301:	7.	7.	9.	10.	12.	10.	12.	12.	8.
1310:	5.	9.	4.	8.	14.	21.	21.	15.	11.
1319:	3.	9.	4.	4.	8.	10.	8.	4.	10.

% ARSENIC 657.40 KEV 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	235.	703.	0.0018	0.0001	4.9
%-ANTIMONY	564.1	141.	24918.	0.1052	0.0007	0.7
%-ARSENIC	657.4	41.	41.	9.2503E-04	2.5036E-04	27.1

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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038D2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15328.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 511:34 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	40.	49.	31.	47.	37.	37.	41.	45.	52.
1018:	48.	63.	98.	126.	176.	210.	200.	148.	118.
1027:	72.	63.	29.	47.	43.	32.	29.	32.	35.

% COPPER 511.0 KEV 0.0022

1117:	62.	83.	134.	144.	106.	100.	104.	155.	197.
1126:	350.	1215.	4144.	7708.	7537.	3508.	772.	86.	15.
1135:	14.	21.	13.	18.	16.	19.	15.	16.	14.

% ANTIMONY 564.05 KEV 0.1040

1301:	16.	16.	6.	16.	10.	9.	10.	7.	14.
1310:	6.	15.	6.	13.	17.	17.	14.	13.	12.
1319:	8.	12.	15.	10.	10.	10.	15.	8.	5.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	239.	837.	0.0022	0.0001	4.3
%-ANTIMONY	564.1	180.	25054.	0.1040	0.0007	0.7
%-ARSENIC	657.4	55.	2. <	8.2695E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:28:36 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: U1038D3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14855.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 521:52 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	44.	43.	41.	37.	37.	42.	39.	40.	49.
1018:	46.	48.	103.	140.	183.	192.	208.	151.	104.
1027:	71.	64.	47.	44.	29.	33.	31.	36.	25.

% COPPER 511.0 00 KEV 0.0022

1117:	65.	96.	144.	167.	108.	104.	118.	123.	192.
1126:	355.	1316.	4212.	8214.	7851.	3701.	791.	80.	15.
1135:	14.	12.	12.	13.	15.	10.	15.	12.	11.

% ANTIMONY 564.05 KEV 0.1128

1301:	6.	7.	12.	14.	10.	12.	6.	14.	9.
1310:	5.	9.	9.	15.	16.	21.	18.	20.	10.
1319:	13.	11.	15.	11.	12.	9.	12.	7.	10.

% ARSENIC 657.40 KEV 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	267.	814.	0.0022	0.0001	4.5
%-ANTIMONY	564.1	144.	26297.	0.1128	0.0007	0.6
%-ARSENIC	657.4	53.	37.	8.5264E-04	2.7568E-04	32.3

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:29:31 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038E1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.6836.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 532:10 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	5.	13.	15.	11.	9.	8.	9.	16.	15.
1018:	26.	41.	50.	91.	109.	143.	148.	107.	69.
1027:	45.	18.	17.	10.	20.	8.	11.	9.	8.

% COPPER 511.00 KEV 0.0015

1117:	14.	12.	12.	16.	14.	23.	17.	17.	24.
1126:	49.	165.	485.	1063.	944.	455.	126.	12.	6.
1135:	3.	4.	3.	9.	4.	7.	4.	4.	3.

% ANTIMONY 564.07 KEV 0.0123

1301:	6.	7.	6.	3.	4.	8.	5.	6.	8.
1310:	6.	9.	4.	8.	3.	12.	8.	7.	10.
1319:	2.	5.	9.	8.	5.	5.	3.	10.	7.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	80.	637.	0.0015	0.0001	4.4
%-ANTIMONY	564.1	45.	3242.	0.0123	0.0002	1.8
%-ARSENIC	657.4	30.	0.	< 5.7120E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:30:27 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038E2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 17219.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 542:25 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	7.	17.	11.	11.	17.	11.	9.	13.	21.
1018:	24.	34.	56.	82.	106.	135.	130.	87.	69.
1027:	33.	23.	26.	14.	12.	11.	13.	8.	11.

% COPPER 511.0 KEV 0.0014

1117:	11.	12.	10.	21.	11.	13.	16.	17.	29.
1126:	41.	150.	508.	962.	954.	439.	89.	17.	7.
1135:	3.	8.	7.	11.	10.	8.	7.	4.	6.

% ANTIMONY 564.0 KEV 0.0115

1301:	7.	10.	5.	8.	6.	10.	8.	12.	5.
1310:	4.	6.	3.	7.	4.	2.	8.	7.	3.
1319:	5.	5.	9.	6.	8.	4.	4.	6.	6.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	67.	599.	0.0014	0.0001	4.5
%-ANTIMONY	564.1	55.	3088.	0.0115	0.0002	1.8
%-ARSENIC	657.4	34.	-6.	< 5.9427E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 18 JUN 1980 8:31:22 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038E3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 17528.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 18JUN80 552:39 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	8.	7.	8.	13.	6.	14.	13.	7.	18.
1018:	25.	35.	71.	90.	123.	118.	139.	92.	53.
1027:	43.	25.	14.	11.	8.	10.	8.	14.	10.

% COPPER 511.100 KEV 0.0015

1117:	21.	13.	12.	18.	16.	21.	14.	22.	27.
1126:	53.	182.	551.	1075.	972.	463.	88.	10.	4.
1135:	5.	4.	5.	6.	7.	7.	4.	3.	7.

% ANTIMONY 564.09 KEV 0.0121

1301:	6.	10.	3.	3.	8.	3.	3.	6.	6.
1310:	3.	7.	8.	4.	6.	8.	8.	6.	4.
1319:	5.	4.	7.	5.	4.	8.	7.	7.	5.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	67.	619.	0.0015	0.0001	4.4
%-ANTIMONY	564.1	63.	3321.	0.0121	0.0002	1.8
%-ARSENIC	657.4	29.	5.	< 5.4936E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 19 JUN 1980 10:37:17 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038F-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14019.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 930:41 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	40.	37.	30.	39.	38.	40.	33.	38.	51.
1018:	39.	59.	90.	118.	152.	167.	124.	121.	78.
1027:	57.	34.	43.	27.	29.	35.	24.	33.	27.

% COPPER 511.0 KEV 0.0023

1117:	55.	101.	151.	142.	100.	110.	113.	159.	179.
1126:	521.	1805.	5310.	8682.	6731.	2566.	428.	49.	18.
1135:	15.	16.	5.	7.	12.	13.	15.	8.	12.

% ANTIMONY 564.0 KEV 0.1230

1301:	6.	5.	4.	9.	10.	10.	7.	4.	7.
1310:	8.	7.	11.	11.	13.	23.	17.	18.	6.
1319:	9.	7.	5.	5.	9.	8.	8.	5.	7.

% ARSENIC 657.4 KEV 0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	218.	632.	0.0023	0.0001	5.2
%-ANTIMONY	564.1	152.	25891.	0.1230	0.0008	0.6
%-ARSENIC	657.4	37.	46.	0.0012	0.0003	23.9

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 XXXXXXXXXXXXXXXXXXXXXXX 19 JUN 1980 10:38:19 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038F-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14230.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 18JUN80 941:00 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	36.	35.	31.	33.	41.	41.	35.	39.	32.
1018:	42.	50.	87.	131.	165.	166.	161.	127.	69.
1027:	52.	37.	27.	26.	36.	25.	29.	29.	25.

% COPPER 511.0 KEV 0.0024

1117:	69.	110.	145.	110.	116.	96.	105.	121.	186.
1126:	479.	1787.	5263.	8280.	6559.	2425.	385.	50.	18.
1135:	9.	17.	8.	11.	11.	10.	7.	6.	14.

% ANTIMONY 564.0 KEV 0.1174

1301:	14.	8.	8.	7.	4.	5.	7.	10.	5.
1310:	7.	13.	11.	12.	12.	17.	11.	12.	3.
1319:	9.	5.	11.	6.	6.	9.	5.	6.	4.

% ARSENIC 657.4 KEV < 7.8211E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	221.	686.	0.0024	0.0001	4.9
%-ANTIMONY	564.1	140.	25038.	0.1174	0.0008	0.6
%-ARSENIC	657.4	32.	23.	< 7.8211E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 19 JUN 1980 10:39:16 AM XXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF LEAD

SAMPLE DATE: 17JUN80 920:00
 SAMPLE IDENTIFICATION: Q1038F-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15046.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX
 *
 ACQUISITION DATE: 18JUN80 951:18 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 17JUN80 922:26 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	30.	36.	37.	29.	34.	44.	38.	41.	43.
1018:	53.	63.	92.	113.	130.	178.	191.	118.	91.
1027:	66.	45.	32.	36.	31.	39.	33.	28.	46.

% COPPER 511.0 KEV 0.0023

1117:	91.	120.	158.	136.	115.	82.	124.	142.	219.
1126:	498.	1819.	5661.	9023.	7152.	2727.	476.	41.	16.
1135:	19.	11.	15.	12.	13.	11.	9.	6.	11.

% ANTIMONY 564.1 KEV 0.1208

1301:	13.	7.	7.	5.	7.	7.	7.	8.	6.
1310:	9.	13.	10.	7.	12.	13.	16.	10.	8.
1319:	5.	14.	7.	10.	8.	8.	8.	4.	5.

% ARSENIC 657.4 KEV < 0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	241.	672.	0.0023	0.0001	5.1
%-ANTIMONY	564.1	160.	27196.	0.1208	0.0008	0.6
%-ARSENIC	657.4	36.	24.	< 7.7894E-04	NOT DETECTABLE	

19

SAMPLE	SHM. WT.	Z-COPPER	Z-ANTIMONY	Z-ARSENIC
S626A	10470.000	0.07995	0.74738	0.00416
S626B	15996.000	0.07738	0.71087	0.00250
S626C	16022.000	0.07736	0.71200	0.00288
		0.07823 AVG	0.72342 AVG	0.00318 AVG
		0.001489 SD	0.020760 SD	0.000873 SD
		1.900251 XRSO	2.869734 XRSO	27.455864 XRSO
S604A	16585.000	0.00752	2.00288	0.10031
S604B	14970.000	0.00692	1.97251	0.09926
S604C	13129.000	0.00717	1.97798	0.10046
		0.00721 AVG	1.98446 AVG	0.10001 AVG
		0.000301 SD	0.016188 SD	0.000652 SD
		4.182499 XRSO	0.815726 XRSO	0.651598 XRSO
010380-1	14086.000	0.00220	0.10824	0.00074
010380-2	13282.000	0.00235	0.11387	0.00088
010380-3	14272.000	0.00206	0.10538	0.00057
		0.00220 AVG	0.10916 AVG	0.00061 AVG
		0.000144 SD	0.004321 SD	0.000264 SD
		6.539995 XRSO	3.958656 XRSO	32.457455 XRSO
01038H-1	13397.000	0.00236	0.11809	0.00068
01038H-2	13641.000	0.00227	0.11816	0.00067
01038H-3	13114.000	0.00254	0.11725	0.00065
		0.00239 AVG	0.11783 AVG	0.00068 AVG
		0.000134 SD	0.000587 SD	0.000031 SD
		5.624331 XRSO	0.430566 XRSO	4.547611 XRSO
01038I-1	14048.000	0.00206	0.10624	0.00057
01038I-2	14548.000	0.00204	0.10008	0.00063
01038I-3	13849.000	0.00206	0.09937	0.00057
		0.00205 AVG	0.10190 AVG	0.00060 AVG
		0.000013 SD	0.003779 SD	0.000000 SD
		0.646177 XRSO	3.708797 XRSO	0.000000 XRSO
01038J-1	16196.000	0.00209	0.02417	0.00041
01038J-2	16091.000	0.00191	0.02451	0.00045
01038J-3	15566.000	0.00197	0.02417	0.00043
		0.00199 AVG	0.02428 AVG	0.00040 AVG
		0.000092 SD	0.000198 SD	0.000000 SD
		4.617701 XRSO	0.815185 XRSO	0.000000 XRSO
01038K-1	13371.000	0.00235	0.12276	0.00073
01038K-2	13957.000	0.00221	0.12104	0.00065
01038K-3	13892.000	0.00219	0.11449	0.00063
		0.00225 AVG	0.11943 AVG	0.00069 AVG
		0.000085 SD	0.004368 SD	0.000084 SD
		3.801550 XRSO	3.657037 XRSO	12.158653 XRSO

Q1038L-1	13579.000	0.00259	0.13034	0.00063
Q1038L-2	13403.000	0.00266	0.13440	0.00069
Q1038L-3	13462.000	0.00269	0.13345	0.00065
		0.00265 AVG	0.13273 AVG	0.00063 AVG
		0.000055 SD	0.002125 SD	0.000000 SD
		2.061093 %RSD	1.601068 %RSD	0.000000 %RSD

Q1036A-1	12468.000	0.00232	0.10951	0.00072
Q1036A-2	13026.000	0.00252	0.10949	0.00067
Q1036A-3	12966.000	0.00247	0.10941	0.00069
		0.00244 AVG	0.10947 AVG	0.00069 AVG
		0.000101 SD	0.000051 SD	0.000000 SD
		4.136485 %RSD	0.046693 %RSD	0.000000 %RSD

Q1036B-1	12708.000	0.00216	0.11261	0.00077
Q1036B-2	12806.000	0.00233	0.12206	0.00071
Q1036B-3	12584.000	0.00239	0.12170	0.00070
		0.00229 AVG	0.11879 AVG	0.00074 AVG
		0.000120 SD	0.005355 SD	0.000058 SD
		5.223432 %RSD	4.507608 %RSD	7.858531 %RSD

Q1036C-1	13194.000	0.00155	0.01198	0.00052
Q1036C-2	12925.000	0.00154	0.01278	0.00051
Q1036C-3	13702.000	0.00157	0.01181	0.00048
		0.00155 AVG	0.01219 AVG	0.00050 AVG
		0.000015 SD	0.000517 SD	0.000000 SD
		0.998664 %RSD	4.237740 %RSD	0.000000 %RSD

Q1036D-1	15708.000	0.00280	0.15117	0.00061
Q1036D-2	16624.000	0.00296	0.15016	0.00062
		0.00288 AVG	0.15066 AVG	0.00060 AVG
		0.000114 SD	0.000710 SD	0.000000 SD
		3.949953 %RSD	0.471558 %RSD	0.000000 %RSD

Q1036E-1	18195.000	0.00212	0.03122	0.00042
Q1036E-2	7762.000	0.00233	0.03112	0.00094
Q1036E-3	19329.000	0.00243	0.03261	0.00039
		0.00229 AVG	0.03165 AVG	0.00060 AVG
		0.000154 SD	0.000834 SD	0.000000 SD
		6.727912 %RSD	2.633766 %RSD	0.000000 %RSD

Q1036F-1	14208.000	0.00265	0.12846	0.00068
Q1036F-2	14782.000	0.00267	0.13783	0.00072
Q1036F-3	15596.000	0.00268	0.13399	0.00058
		0.00267 AVG	0.13343 AVG	0.00070 AVG
		0.000015 SD	0.004709 SD	0.000119 SD
		0.549105 %RSD	3.529012 %RSD	17.110081 %RSD

Q1036G-1	13872.000	0.00238	0.11409	0.00062
Q1036G-2	14531.000	0.00218	0.11202	0.00066

	14873.000	0.00210	0.10821	0.00065
		0.00222 AVG	0.11144 AVG	0.00065 AVG
		0.000141 SD	0.002985 SD	0.000000 SD
		6.363399 XRSB	2.678750 XRSB	0.000000 XRSB
01036H-1	12975.000	0.00203	0.10563	0.00074
01036H-2	13888.000	0.00203	0.10563	0.00074
01036H-3	14220.000	0.00235	0.11114	0.00069
		0.00213 AVG	0.10747 AVG	0.00074 AVG
		0.000187 SD	0.003180 SD	0.000056 SD
		0.764717 XRSB	2.958596 XRSB	7.491211 XRSB
01036I-1	14218.000	0.00230	0.11225	0.00083
01036I-2	14769.000	0.00229	0.10964	0.00075
01036I-3	14216.000	0.00237	0.11586	0.00068
		0.00232 AVG	0.11258 AVG	0.00079 AVG
		0.000041 SD	0.003121 SD	0.000129 SD
		1.751214 XRSB	2.772237 XRSB	16.379265 XRSB
01036J-1	15590.000	0.00209	0.02278	0.00046
01036J-2	16250.000	0.00192	0.02145	0.00045
01036J-3	16424.000	0.00246	0.02175	0.00045
		0.00216 AVG	0.02199 AVG	0.00000 AVG
		0.000280 SD	0.000696 SD	0.000000 SD
		12.977513 XRSB	3.166683 XRSB	0.000000 XRSB
01036K-1	13596.000	0.00171	0.01252	0.00054
01036K-2	13190.000	0.00167	0.01224	0.00064
01036K-3	13899.000	0.00158	0.01180	0.00063
		0.00165 AVG	0.01219 AVG	0.00000 AVG
		0.000066 SD	0.000361 SD	0.000000 SD
		3.964194 XRSB	2.965140 XRSB	0.000000 XRSB
01036L-1	13428.000	0.00156	0.01255	0.00059
01036L-2	13838.000	0.00159	0.01285	0.00054
01036L-3	12832.000	0.00157	0.01321	0.00062
		0.00157 AVG	0.01287 AVG	0.00000 AVG
		0.000015 SD	0.000331 SD	0.000000 SD
		0.927507 XRSB	2.575148 XRSB	0.000000 XRSB
01037A-1	12992.000	0.00209	0.02854	0.00053
01037A-2	12705.000	0.00207	0.02834	0.00066
01037A-3	12610.000	0.00206	0.02885	0.00054
		0.00207 AVG	0.02858 AVG	0.00000 AVG
		0.000013 SD	0.000258 SD	0.000000 SD
		0.620028 XRSB	0.902053 XRSB	0.000000 XRSB
01037B-1	13442.000	0.00251	0.13438	0.00069
01037B-2	13906.000	0.00263	0.13705	0.00087
01037B-3	14621.000	0.00259	0.13315	0.00065
		0.00258 AVG	0.13486 AVG	0.00087 AVG

		0. 000063 SD	0. 001996 SD	0. 000000 SD
		2. 426354 XRSO	1. 400016 XRSO	0. 000000 XRSO
01037C-1	14687. 000	0. 00141	0. 05560	< 0. 00057
01037C-2	14137. 000	0. 00124	0. 05303	< 0. 00064
01037C-3	15776. 000	0. 00122	0. 05077	< 0. 00050
		0. 00129 AVG	0. 05313 AVG	0. 00000 AVG
		0. 000105 SD	0. 002415 SD	0. 000000 SD
		0. 171022 XRSO	4. 546007 XRSO	0. 000000 XRSO
01037D-1	13918. 000	0. 00238	0. 10794	< 0. 00063
01037D-2	13877. 000	0. 00231	0. 11573	0. 00075
01037D-3	13806. 000	0. 00238	0. 11594	0. 00076
		0. 00236 AVG	0. 11320 AVG	0. 00075 AVG
		0. 000041 SD	0. 004562 SD	0. 000125 SD
		1. 721608 XRSO	4. 029578 XRSO	16. 545420 XRSO
01037E-1	13865. 000	0. 00223	0. 10694	< 0. 00066
01037E-2	13616. 000	0. 00218	0. 10731	< 0. 00072
01037E-3	13803. 000	0. 00229	0. 10636	< 0. 00070
		0. 00223 AVG	0. 10687 AVG	0. 00000 AVG
		0. 000053 SD	0. 000482 SD	0. 000000 SD
		2. 371771 XRSO	0. 450553 XRSO	0. 000000 XRSO
01037F-1	12581. 000	0. 00243	0. 12454	< 0. 00073
01037F-2	13206. 000	0. 00241	0. 12308	< 0. 00077
01037F-3	13541. 000	0. 00214	0. 11613	< 0. 00068
		0. 00233 AVG	0. 12125 AVG	0. 00000 AVG
		0. 000161 SD	0. 004493 SD	0. 000000 SD
		6. 914583 XRSO	3. 705453 XRSO	0. 000000 XRSO
01037G-1	12738. 000	0. 00229	0. 11250	0. 00096
01037G-2	14639. 000	0. 00233	0. 11171	< 0. 00064
01037G-3	15097. 000	0. 00229	0. 11499	0. 00071
		0. 00230 AVG	0. 11307 AVG	0. 00084 AVG
		0. 000026 SD	0. 001714 SD	0. 000263 SD
		1. 107595 XRSO	1. 506024 XRSO	31. 412060 XRSO
01037H-1	17299. 000	0. 00207	0. 03059	< 0. 00051
01037H-2	17740. 000	0. 00218	0. 03236	< 0. 00050
01037H-3	18284. 000	0. 00221	0. 03187	< 0. 00047
		0. 00215 AVG	0. 03161 AVG	0. 00000 AVG
		0. 000075 SD	0. 000916 SD	0. 000000 SD
		3. 489826 XRSO	2. 097628 XRSO	0. 000000 XRSO
01037I-1	15087. 000	0. 00222	0. 10748	0. 00066
01037I-2	15456. 000	0. 00239	0. 10911	< 0. 00063
01037I-3	15803. 000	0. 00231	0. 11252	< 0. 00064
		0. 00231 AVG	0. 10970 AVG	0. 00066 AVG
		0. 000082 SD	0. 002570 SD	0. 000000 SD
		3. 542968 XRSO	2. 342690 XRSO	0. 000000 XRSO

01037J-1	13823.000	0.00285	0.13950	<	0.00072
01037J-2	14460.000	0.00266	0.13719	<	0.00068
01037J-3	13504.000	0.00252	0.13295		0.00101
		0.00268 AVG	0.13655 AVG		0.00101 AVG
		0.000166 SD	0.000322 SD		0.000000 SD
		6.210067 %RSD	2.432925 %RSD		0.000000 %RSD

01037K-1	12462.000	0.00244	0.12359	<	0.00079
01037K-2	13566.000	0.00253	0.12387	<	0.00076
01037K-3	13744.000	0.00252	0.12177	<	0.00076
		0.00250 AVG	0.12308 AVG		0.00080 AVG
		0.000051 SD	0.000145 SD		0.000000 SD
		2.026906 %RSD	0.930029 %RSD		0.000000 %RSD

01037L-1	13442.000	0.00219	0.10586	<	0.00072
01037L-2	13867.000	0.00228	0.11213	<	0.00078
01037L-3	14553.000	0.00234	0.11199		0.00076
		0.00227 AVG	0.10999 AVG		0.00076 AVG
		0.000072 SD	0.000382 SD		0.000000 SD
		3.180697 %RSD	3.257041 %RSD		0.000000 %RSD

01036D-3	16261.000	0.00297	0.14886		0.00112
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(TI)TITLE:
 00610007 RF CY
 (LN)LIBRARY:
 (SA)SAMPLE TIME: 18JUN80 0901:00
 (SE)STD ENERGY TOLERANCE: 2.00
 (UE)UNK ENERGY TOLERANCE: 2.00
 (TF)THERMAL FLUX: 0.0000E-01
 (EF)EPITHERMAL FLUX: 0.0000E-01
 (FF)FAST FLUX: 0.0000E-01
 (OU)UNITS: UG

	ELEMENT	ENERGY	HALF-LIFE	SEC
1	X-COPPER	511.00	1.2800E 01 H	4.6000E 04
2	X-ANTIMONY	564.09	2.7200E 00 D	2.3501E 05
3	X-ARSENIC	657.41	2.6300E 01 H	9.4600E 04

STANDARD SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	5626A	10478.00	FBI1 .A90	100.0	100000.0
2	5626B	15996.00	FBI1 .A91	100.0	100000.0
3	5626C	16022.00	FBI1 .A92	100.0	100000.0
4	5604A	16585.00	FBI1 .A93	100.0	100000.0
5	5604B	14970.00	FBI1 .A94	100.0	100000.0
6	5604C	13129.00	FBI1 .A95	100.0	100000.0

STD: 1 5626A FILE= FBI1 .A90

	ELEMENT	ENERGY	CONC	ERROR
1	X-COPPER	511.00	7.8000E-02	0.0000E-01
2	X-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	X-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 2 5626B FILE= FBI1 .A91

	ELEMENT	ENERGY	CONC	ERROR
1	X-COPPER	511.00	7.8000E-02	0.0000E-01
2	X-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	X-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 3 5626C FILE= FBI1 .A92

	ELEMENT	ENERGY	CONC	ERROR
1	X-COPPER	511.00	7.8000E-02	0.0000E-01
2	X-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	X-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 4 5604A FILE= FBI1 .A93

	ELEMENT	ENERGY	CONC	ERROR
1	X-COPPER	511.00	0.0000E-01	0.0000E-01
2	X-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	X-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 5 5604B FILE= FBI1 .A94

ELEMENT	ENERGY	CONC	ERROR
1 %-COPPER	511.00	0.0000E-01	0.0000E-01
2 %-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3 %-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 6 S604C

FILE= FBI1 .A95

ELEMENT	ENERGY	CONC	ERROR
1 %-COPPER	511.00	0.0000E-01	0.0000E-01
2 %-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3 %-ARSENIC	657.41	1.0000E-01	0.0000E-01

UNKNOWN SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	10478.00	FBI1 .A90	100.0	100000.0
2	S626B	15996.00	FBI1 .A91	100.0	100000.0
3	S626C	16022.00	FBI1 .A92	100.0	100000.0
4	S604A	16585.00	FBI1 .A93	100.0	100000.0
5	S604B	14970.00	FBI1 .A94	100.0	100000.0
6	S604C	13129.00	FBI1 .A95	100.0	100000.0
7	01038G-1	14086.00	FBI1 .A01	100.0	100000.0
8	01038G-2	13282.00	FBI1 .A02	100.0	100000.0
9	01038G-3	14272.00	FBI1 .A03	100.0	100000.0
10	01038H-1	13397.00	FBI1 .A04	100.0	100000.0
11	01038H-2	13641.00	FBI1 .A05	100.0	100000.0
12	01038H-3	13114.00	FBI1 .A06	100.0	100000.0
13	01038I-1	14048.00	FBI1 .A07	100.0	100000.0
14	01038I-2	14548.00	FBI1 .A08	100.0	100000.0
15	01038I-3	13849.00	FBI1 .A09	100.0	100000.0
16	01038J-1	16196.00	FBI1 .A10	100.0	100000.0
17	01038J-2	16091.00	FBI1 .A11	100.0	100000.0
18	01038J-3	15566.00	FBI1 .A12	100.0	100000.0
19	01038K-1	13371.00	FBI1 .A13	100.0	100000.0
20	01038K-2	13957.00	FBI1 .A14	100.0	100000.0
21	01038K-3	13892.00	FBI1 .A15	100.0	100000.0
22	01038L-1	13579.00	FBI1 .A16	100.0	100000.0
23	01038L-2	13403.00	FBI1 .A17	100.0	100000.0
24	01038L-3	13462.00	FBI1 .A18	100.0	100000.0
25	01036A-1	12468.00	FBI1 .A19	100.0	100000.0
26	01036A-2	13026.00	FBI1 .A20	100.0	100000.0
27	01036A-3	12966.00	FBI1 .A21	100.0	100000.0
28	01036B-1	12708.00	FBI1 .A22	100.0	100000.0
29	01036B-2	12806.00	FBI1 .A23	100.0	100000.0
30	01036B-3	12584.00	FBI1 .A24	100.0	100000.0
31	01036C-1	13194.00	FBI1 .A25	100.0	100000.0
32	01036C-2	12925.00	FBI1 .A26	100.0	100000.0
33	01036C-3	13702.00	FBI1 .A27	100.0	100000.0
34	01036D-1	15708.00	FBI1 .A28	100.0	100000.0
35	01036D-2	16624.00	FBI1 .A29	100.0	100000.0
36	01036E-1	18195.00	FBI1 .A30	100.0	100000.0
37	01036E-2	7762.00	FBI1 .A31	100.0	100000.0
38	01036E-3	19329.00	FBI1 .A32	100.0	100000.0
39	01036F-1	14208.00	FBI1 .A33	100.0	100000.0
40	01036F-2	14782.00	FBI1 .A34	100.0	100000.0
41	01036F-3	15596.00	FBI1 .A35	100.0	100000.0
42	01036G-1	13872.00	FBI1 .A36	100.0	100000.0
43	01036G-2	14531.00	FBI1 .A37	100.0	100000.0
44	01036G-3	14679.00	FBI1 .A38	100.0	100000.0
45	01036H-1	12975.00	FBI1 .A39	100.0	100000.0
46	01036H-2	13888.00	FN11 .A40	100.0	100000.0
47	01036H-3	14220.00	FBI1 .A41	100.0	100000.0
48	01036I-1	14318.00	FBI1 .A42	100.0	100000.0

49	01036I-2	14769.00	FBI1	.A43	100.0	100000.0
50	01036I-3	14216.00	FBI1	.A44	100.0	100000.0
51	01036J-1	15590.00	FBI1	.A45	100.0	100000.0
52	01036J-2	16250.00	FBI1	.A46	100.0	100000.0
53	01036J-3	16424.00	FBI1	.A47	100.0	100000.0
54	01036K-1	13596.00	FBI1	.A48	100.0	100000.0
55	01036K-2	13190.00	FBI1	.A49	100.0	100000.0
56	01036K-3	13899.00	FBI1	.A50	100.0	100000.0
57	01036L-1	13428.00	FBI1	.A51	100.0	100000.0
58	01036L-2	13838.00	FBI1	.A52	100.0	100000.0
59	01036L-3	12832.00	FBI1	.A53	100.0	100000.0
60	01037A-1	12992.00	FBI1	.A54	100.0	100000.0
61	01037A-2	12705.00	FBI1	.A55	100.0	100000.0
62	01037A-3	12610.00	FBI1	.A56	100.0	100000.0
63	01037B-1	13442.00	FBI1	.A57	100.0	100000.0
64	01037B-2	13906.00	FBI1	.A58	100.0	100000.0
65	01037B-3	14621.00	FBI1	.A59	100.0	100000.0
66	01037C-1	14687.00	FBI1	.A60	100.0	100000.0
67	01037C-2	14137.00	FBI1	.A61	100.0	100000.0
68	01037C-3	15776.00	FBI1	.A62	100.0	100000.0
69	01037D-1	13918.00	FBI1	.A63	100.0	100000.0
70	01037D-2	13877.00	FBI1	.A64	100.0	100000.0
71	01037D-3	13806.00	FBI1	.A65	100.0	100000.0
72	01037E-1	13865.00	FBI1	.A66	100.0	100000.0
73	01037E-2	13616.00	FBI1	.A67	100.0	100000.0
74	01037E-3	13803.00	FBI1	.A68	100.0	100000.0
75	01037F-1	12581.00	FBI1	.A69	100.0	100000.0
76	01037F-2	13206.00	FBI1	.A70	100.0	100000.0
77	01037F-3	13541.00	FBI1	.A71	100.0	100000.0
78	01037G-1	12738.00	FBI1	.A72	100.0	100000.0
79	01037G-2	14639.00	FBI1	.A73	100.0	100000.0
80	01037G-3	15097.00	FBI1	.A74	100.0	100000.0
81	01037H-1	17299.00	FBI1	.A75	100.0	100000.0
82	01037H-2	17740.00	FBI1	.A76	100.0	100000.0
83	01037H-3	18284.00	FBI1	.A77	100.0	100000.0
84	01037I-1	15087.00	FBI1	.A78	100.0	100000.0
85	01037I-2	15456.00	FBI1	.A79	100.0	100000.0
86	01037I-3	15803.00	FBI1	.A80	100.0	100000.0
87	01037J-1	13823.00	FBI1	.A81	100.0	100000.0
88	01037J-2	14460.00	FBI1	.A82	100.0	100000.0
89	01037J-3	13504.00	FBI1	.A83	100.0	100000.0
90	01037K-1	12462.00	FBI1	.A84	100.0	100000.0
91	01037K-2	13566.00	FBI1	.A85	100.0	100000.0
92	01037K-3	13744.00	FBI1	.A86	100.0	100000.0
93	01037L-1	13442.00	FBI1	.A87	100.0	100000.0
94	01037L-2	13867.00	FBI1	.A88	100.0	100000.0
95	01037L-3	14553.00	FBI1	.A89	100.0	100000.0
96	01036D-3	16261.00	FBI1	.A96	100.0	100000.0

***** 19 JUN 1980 8:02:55 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
SAMPLE IDENTIFICATION: S626A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 10478.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

*
ACQUISITION DATE: 18JUN80 1426:51 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

*
DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	48981.	7.8000E-02	0.0000E-01	1.3466E-01	6.2599E-04
%-ANTIMONY	564.1	154035.	7.2000E-01	0.0000E-01	3.6082E-02	9.2455E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

***** 19 JUN 1980 8:03:41 AM *****

00610007 RF 04

SAMPLE DATE: 18JUN80 901:00
SAMPLE IDENTIFICATION: 5626B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 15996.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

*
ACQUISITION DATE: 18JUN80 1437:29 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 634. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

*
DETECTOR: GEI I-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	71679.	7.8000E-02	0.0000E-01	1.3034E-01	5.0205E-04
%-ANTIMONY	564.1	223243.	7.2000E-01	0.0000E-01	3.4320E-02	7.3081E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

***** 19 JUN 1980 8:04:28 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
SAMPLE IDENTIFICATION: S626C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 16022.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

*
ACQUISITION DATE: 18JUN80 1448:16 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 634. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

*
DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	71076.	7.8000E-02	0.0000E-01	1.3029E-01	5.0434E-04
%-ANTIMONY	564.1	223535.	7.2000E-01	0.0000E-01	3.4374E-02	7.3144E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

***** 19 JUN 1980 8:05:15 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
SAMPLE IDENTIFICATION: 5604A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 1.6585.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

*
ACQUISITION DATE: 18JUN80 1459:02 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 695. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

*
DETECTOR: GELI-15A * LIBRARY: NUCL. LIB1
DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	8530.	1.0000E-01	0.0000E-01	1.0057E-02	1.2817E-04

***** 19 JUN 1980 8:06:02 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
SAMPLE IDENTIFICATION: S604B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 14970.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

*
ACQUISITION DATE: 18JUN80 1510:53 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 683. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

*
DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	7580.	1.0000E-01	0.0000E-01	9.9524E-03	1.3371E-04

***** 19 JUN 1980 8:06:50 AM *****

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
SAMPLE IDENTIFICATION: S604C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 13129.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

*
ACQUISITION DATE: 18JUN80 1522:31 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 672. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

*
DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	6694.	1.0000E-01	0.0000E-01	1.0072E-02	1.4214E-04

SUMMARY OF STANDARD CONSTANTS:

1. ELEMENT Z-COPPER AT 511.00 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.8000E-02	1.3466E-01	6.2599E-04
S626B	7.8000E-02	1.3034E-01	5.0205E-04
S626C	7.8000E-02	1.3029E-01	5.0434E-04
<hr/>			
MEAN CONSTANT,	3 STDS:	1.3138E-01	3.0933E-04

2. ELEMENT Z-ANTIMONY AT 564.09 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.2000E-01	3.6002E-02	9.2455E-05
S626B	7.2000E-01	3.4320E-02	7.3081E-05
S626C	7.2000E-01	3.4374E-02	7.3144E-05
<hr/>			
MEAN CONSTANT,	3 STDS:	3.4760E-02	4.5123E-05

3. ELEMENT Z-ARSENIC AT 657.41 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S604A	1.0000E-01	1.0057E-02	1.2817E-04
S604B	1.0000E-01	9.9524E-03	1.3371E-04
S604C	1.0000E-01	1.0072E-02	1.4214E-04
<hr/>			
MEAN CONSTANT,	3 STDS:	1.0026E-02	7.7545E-05

 ***** 19 JUN 1980 8:07:54 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 5626A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10478.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 1426:51 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUCL. LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	276.	258.	322.	327.	329.	376.	478.	627.	680.
1018:	1381.	2402.	4382.	7112.	9314.	10129.	8925.	6685.	3867.
1027:	1899.	997.	592.	368.	287.	255.	194.	161.	177.

% COPPER 511.00 KEV 0.0799

1117:	407.	658.	918.	824.	644.	612.	702.	895.	1255.
1126:	3062.	11631.	33432.	51581.	39055.	13715.	2432.	345.	166.
1135:	144.	106.	101.	117.	99.	98.	89.	77.	93.

% ANTIMONY 564.09 KEV 0.7474

1301:	46.	49.	43.	44.	39.	48.	39.	44.	41.
1310:	34.	44.	49.	54.	87.	116.	117.	66.	53.
1319:	43.	26.	44.	47.	31.	44.	37.	44.	49.

% ARSENIC 657.40 KEV 0.0042

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	1433.	48981.	0.0799	0.0004	0.5
% ANTIMONY	564.1	873.	154035.	0.7474	0.0021	0.3
% ARSENIC	657.4	213.	227.	0.0042	0.0005	11.3

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 5626B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15996.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 1437:29 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 634. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	433.	445.	443.	464.	493.	542.	691.	865.	1281.
1018:	2085.	3583.	6531.	10465.	13977.	15029.	13050.	9413.	5492.
1027:	2898.	1472.	907.	524.	411.	369.	321.	297.	287.

% COPPER 511.00 KEV 0.0774

1117:	606.	984.	1347.	1118.	938.	868.	1052.	1332.	1891.
1126:	4647.	18007.	49559.	75017.	54719.	19182.	3481.	597.	263.
1135:	249.	223.	194.	185.	164.	147.	152.	119.	143.

% ANTIMONY 564.09 KEV 0.7109

1301:	74.	80.	80.	79.	73.	64.	79.	74.	79.
1310:	74.	76.	66.	88.	135.	138.	118.	102.	68.
1319:	54.	63.	83.	61.	80.	71.	92.	68.	74.

% ARSENIC 657.40 KEV 0.0025

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	2278.	71679.	0.0774	0.0003	0.5
%-ANTIMONY	564.1	1369.	223243.	0.7109	0.0018	0.2
%-ARSENIC	657.4	374.	207.	0.0025	0.0004	14.9

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 5626C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 16022.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 1448:16 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 634. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NRR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL. LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001618 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	414.	441.	471.	456.	573.	560.	708.	938.	1365.
1018:	2008.	3504.	6370.	10534.	13852.	14829.	12978.	9314.	5508.
1027:	2724.	1452.	926.	575.	452.	360.	299.	284.	291.

% COPPER 511.00 KEV 0.0774

1117:	632.	979.	1317.	1222.	993.	898.	1057.	1268.	1984.
1126:	4858.	17826.	50089.	74511.	54964.	19178.	3463.	611.	256.
1135:	244.	214.	202.	190.	151.	162.	144.	159.	137.

% ANTIMONY 564.09 KEV 0.7120

1301:	91.	84.	65.	81.	75.	72.	75.	72.	73.
1310:	75.	68.	86.	91.	119.	155.	127.	89.	69.
1319:	65.	77.	65.	57.	64.	60.	65.	64.	61.

% ARSENIC 657.40 KEV 0.0029

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	2309.	71076.	0.0774	0.0004	0.5
% ANTIMONY	564.1	1355.	223535.	0.7120	0.0018	0.2
% ARSENIC	657.4	344.	238.	0.0029	0.0004	12.8

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 5604A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 16585.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 CHR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 1459:02 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 695. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	984.	1064.	1010.	959.	1001.	1020.	1014.	1058.	1145.
1018:	1186.	1348.	1664.	2033.	2318.	2467.	2215.	1832.	1405.
1027:	1126.	1056.	943.	935.	884.	916.	928.	927.	956.

% COPPER 511.00 KEV 0.0075

1117:	9656.	22180.	29329.	20609.	8611.	4089.	3623.	4423.	7048.
1126:	19660.	69332.	163814.	209912.	136117.	45787.	10390.	3215.	1873.
1135:	1596.	1258.	1166.	1021.	1011.	868.	901.	874.	849.

% ANTIMONY 564.09 KEV 2.0029

1301:	370.	346.	346.	348.	348.	357.	359.	334.	358.
1310:	348.	434.	701.	1396.	2621.	3165.	2093.	899.	459.
1319:	319.	350.	285.	319.	313.	313.	315.	283.	336.

% ARSENIC 657.40 KEV 0.1003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	6850.	7084.	0.0075	0.0002	2.0
%-ANTIMONY	564.1	5408.	649605.	2.0029	0.0036	0.2
%-ARSENIC	657.4	1644.	8530.	0.1003	0.0015	1.5

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLe IDENTIFICATION: 5604B
 TYPE OF SAMPLe: UNKNOWN
 SAMPLe QUANTITY: 14970.00 UNITS: UG
 SAMPLe GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 1510:53 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 683. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUCL. LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	887.	938.	879.	830.	850.	900.	899.	841.	956.
1019:	978.	1150.	1401.	1748.	2049.	2053.	1808.	1538.	1191.
1027:	1031.	841.	858.	882.	768.	813.	810.	776.	848.

% COPPER 511.00 KEV 0.0069

1117:	8163.	19095.	25979.	18162.	7867.	3541.	3125.	3877.	5828.
1126:	16502.	58336.	142916.	187924.	123823.	42349.	9043.	2607.	1506.
1135:	1234.	1014.	947.	854.	751.	730.	664.	664.	684.

% ANTIMONY 564.09 KEV 1.9725

1301:	291.	311.	282.	323.	293.	270.	280.	298.	276.
1310:	316.	355.	560.	1230.	2329.	2705.	1870.	841.	370.
1319:	292.	280.	225.	262.	236.	267.	282.	264.	279.

% ARSENIC 657.40 KEV 0.0993

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	5966.	5822.	0.0069	0.0002	2.3
% ANTIMONY	564.1	4635.	576258.	1.9725	0.0037	0.2
% ARSENIC	657.4	1395.	7580.	0.0993	0.0015	1.6

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: S604C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13129.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 1522:31 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 672. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	766.	807.	757.	744.	743.	692.	765.	766.	764.
1018:	896.	949.	1225.	1547.	1701.	1808.	1599.	1380.	997.
1027:	892.	727.	731.	751.	713.	707.	693.	734.	670.

% COPPER 511.00 KEV 0.0072

1117:	6843.	16173.	22940.	16526.	7006.	3009.	2718.	3231.	5189.
1126:	13764.	49187.	122953.	166376.	111486.	38084.	7739.	2012.	1203.
1135:	917.	822.	755.	620.	574.	579.	531.	537.	546.

% ANTIMONY 564.09 KEV 1.9780

1301:	261.	238.	257.	234.	247.	227.	214.	225.	233.
1310:	241.	286.	502.	1072.	1955.	2407.	1653.	722.	303.
1319:	231.	194.	213.	212.	188.	205.	222.	200.	186.

% ARSENIC 657.40 KEV 0.1005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	5021.	5236.	0.0072	0.0002	2.4
% ANTIMONY	564.1	3031.	505758.	1.9780	0.0038	0.2
% ARSENIC	657.4	1115.	6694.	0.1005	0.0016	1.6

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q1030G-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14086.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 1533:58 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUCL. LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	41.	46.	37.	47.	40.	50.	54.	44.	63.
1018:	95.	102.	210.	294.	353.	385.	323.	268.	174.
1027:	109.	72.	60.	45.	51.	44.	43.	39.	39.

% COPPER 511.00 KEV 0.0022

1117:	90.	129.	179.	182.	121.	95.	142.	144.	243.
1126:	539.	1971.	6017.	9917.	7964.	2911.	500.	53.	21.
1135:	16.	18.	16.	17.	17.	17.	12.	17.	22.

% ANTIMONY 564.09 KEV 0.1082

1301:	15.	6.	7.	17.	10.	12.	13.	17.	13.
1310:	17.	10.	14.	19.	18.	33.	23.	16.	13.
1319:	11.	14.	16.	14.	12.	13.	11.	10.	3.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	300.	1707.	0.0022	0.0001	2.8
%-ANTIMONY	564.1	183.	29636.	0.1082	0.0006	0.6
%-ARSENIC	657.4	56.	53.	7.4490E-04	1.8063E-04	24.2

 ***** 19 JUN 1980 8:14:59 AM *****

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q10380-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13282.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 1544:18 * FWHM(1332) 2.004
 OFFSET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GEL1-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	52.	57.	52.	46.	50.	64.	54.	68.	56.
1010:	78.	108.	201.	265.	353.	369.	374.	274.	169.
1027:	108.	67.	52.	64.	26.	43.	53.	43.	27.

% COPPER 511.00 KEV 0.0023

1117:	81.	123.	194.	162.	135.	121.	128.	159.	222.
1126:	538.	2067.	6057.	9959.	7720.	2705.	516.	63.	17.
1135:	25.	21.	26.	12.	23.	11.	25.	11.	22.

% ANTIMONY 564.09 KEV 0.1139

1301:	9.	12.	9.	10.	15.	14.	15.	18.	16.
1310:	7.	14.	14.	12.	30.	31.	24.	18.	17.
1319:	16.	17.	12.	14.	13.	10.	11.	14.	15.

% ARSENIC 657.40 KEV 0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	303.	1702.	0.0023	0.0001	2.8
% ANTIMONY	564.1	218.	29345.	0.1139	0.0007	0.6
% ARSENIC	657.4	61.	59.	8.8342E-04	2.0157E-04	22.8

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010380-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14272.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 1554:37 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	43.	34.	38.	43.	52.	40.	54.	51.	53.
1019:	80.	100.	173.	245.	354.	354.	327.	245.	168.
1027:	112.	72.	41.	36.	34.	40.	31.	35.	35.

% COPPER 511.09 KEV 0.0021

1117:	85.	146.	182.	179.	114.	128.	132.	149.	248.
1126:	523.	2091.	6154.	9912.	7440.	2733.	474.	50.	19.
1135:	24.	19.	21.	15.	21.	23.	18.	14.	18.

% ANTIMONY 564.09 KEV 0.1054

1301:	15.	17.	13.	15.	16.	14.	10.	14.	5.
1310:	18.	16.	18.	19.	23.	27.	17.	12.	10.
1319:	12.	11.	13.	12.	10.	6.	18.	12.	16.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	277.	1590.	0.0021	0.0001	2.9
%-ANTIMONY	564.1	200.	29128.	0.1054	0.0006	0.6
%-ARSENIC	657.4	67.	37.	< 5.6873E-04		NOT DETECTABLE

 ***** 19 JUN 1980 8:17:00 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q1038H-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13397.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 1604:55 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GEI J-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	54.	48.	60.	46.	49.	50.	52.	60.	75.
1018:	71.	104.	188.	308.	338.	383.	336.	264.	186.
1027:	106.	68.	56.	46.	37.	46.	36.	40.	37.

% COPPER 511.00 KEV 0.0024

1117:	95.	128.	195.	205.	121.	110.	149.	170.	257.
1126:	551.	2175.	6425.	10164.	8137.	2820.	512.	52.	24.
1135:	22.	20.	22.	19.	19.	10.	15.	18.	18.

% ANTIMONY 564.09 KEV 0.1181

1301:	8.	14.	13.	13.	11.	10.	10.	8.	8.
1310:	15.	6.	16.	12.	25.	24.	17.	21.	9.
1319:	19.	13.	14.	11.	7.	10.	8.	10.	16.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	312.	1692.	0.0024	0.0001	2.9
%-ANTIMONY	564.1	199.	30585.	0.1181	0.0007	0.6
%-ARSENIC	657.4	54.	46.	6.8158E-04	1.8507E-04	27.2

 ***** 19 JUN 1980 8:18:00 AM *****

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01038H-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.3641.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB

 *
 ACQUISITION DATE: 18JUN80 1615:14 * PWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NRX ITERATIONS: 10
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUC1.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	38.	43.	59.	48.	43.	37.	56.	55.	78.
1018:	95.	105.	173.	276.	378.	385.	344.	225.	165.
1027:	116.	74.	51.	53.	46.	36.	39.	30.	46.

% COPPER 511.00 KEV 0.0023

1117:	92.	153.	194.	179.	167.	120.	150.	193.	285.
1126:	583.	2231.	6536.	10247.	8029.	2975.	512.	60.	23.
1135:	22.	23.	21.	18.	11.	18.	13.	19.	18.

% ANTIMONY 564.09 KEV 0.1182

1301:	21.	12.	21.	15.	17.	23.	18.	12.	16.
1310:	14.	9.	18.	19.	33.	31.	23.	17.	14.
1319:	22.	10.	17.	7.	18.	13.	17.	14.	16.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	302.	1644.	0.0023	0.0001	2.9
% ANTIMONY	564.1	211.	31102.	0.1182	0.0007	0.6
% ARSENIC	657.4	79.	46.	6.7243E-04	2.1038E-04	31.3

 ***** 19 JUN 1980 8:19:01 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q1038H-X
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13114.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAR3

 *
 ACQUISITION DATE: 18JUN80 1625:33 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 DEFSF1: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	44.	44.	48.	57.	58.	36.	44.	67.	61.
1018:	69.	115.	202.	276.	386.	388.	361.	277.	156.
1027:	96.	80.	72.	50.	34.	35.	41.	38.	47.

% COPPER 511.00 KEV 0.0025

1117:	74.	129.	176.	198.	147.	130.	138.	160.	241.
1126:	600.	2000.	6255.	9934.	7681.	2810.	452.	60.	30.
1135:	20.	21.	26.	13.	21.	16.	18.	18.	20.

% ANTIMONY 564.09 KEV 0.1172

1301:	13.	10.	12.	12.	18.	21.	22.	25.	10.
1310:	19.	11.	18.	14.	25.	31.	21.	20.	9.
1319:	16.	15.	16.	11.	13.	16.	13.	16.	18.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	299.	1747.	0.0025	0.0001	2.8
% ANTIMONY	564.1	206.	29616.	0.1172	0.0007	0.6
% ARSENIC	657.4	71.	40.	< 6.4691E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 8:20:02 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q10381-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14048.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 1635:57 * FWHM(1000) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GFI J-15A * LIBRARY:NUCL.11B1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHN1 : 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	42.	35.	46.	37.	42.	38.	54.	56.	58.
1018:	73.	116.	193.	263.	326.	326.	294.	248.	150.
1027:	110.	70.	49.	49.	32.	41.	37.	42.	46.

% COPPER 511.00 KEV 0.0021

1117:	87.	146.	189.	181.	115.	121.	130.	156.	222.
1126:	557.	1980.	6073.	9738.	7402.	2629.	486.	63.	9.
1135:	19.	15.	19.	25.	13.	20.	13.	14.	11.

% ANTIMONY 564.00 KEV 0.1062

1301:	22.	11.	10.	10.	22.	7.	10.	12.	10.
1310:	15.	14.	9.	10.	23.	19.	16.	15.	13.
1319:	9.	9.	16.	12.	8.	15.	12.	16.	13.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	293.	1507.	0.0021	0.0001	3.0
% ANTIMONY	564.1	169.	28696.	0.1062	0.0006	0.6
% ARSENIC	657.4	62.	25.	< 5.6731E-04		NOT DETECTABLE

 ***** 19 JUN 1980 8:21:02 AM *****

00610007 RF WY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010081-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14548.00 UNITS: UG
 SAMPLE GEOMETRY: K13 6HR
 EFFICIENCY FILE NAME: EFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 1646:10 * FWHM(1332) 2.004
 PRESET TIME(CIV): 600. SEC * SENSITIVITY: 5.000
 ELAPSED RFAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL : 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	44.	47.	45.	42.	48.	54.	46.	52.	62.
1010:	82.	111.	167.	254.	324.	366.	364.	218.	150.
1027:	115.	67.	59.	47.	50.	25.	50.	43.	37.

% COPPER 511.04 KEV 0.0020

1117:	86.	126.	183.	167.	130.	103.	129.	165.	224.
1126:	559.	1932.	5814.	9439.	7261.	2688.	453.	60.	24.
1135:	21.	26.	29.	21.	17.	19.	21.	18.	14.

% ANTIMONY 564.09 KEV 0.1001

1301:	13.	21.	13.	16.	17.	18.	14.	8.	13.
1310:	11.	15.	11.	20.	20.	21.	21.	21.	19.
1319:	21.	9.	10.	18.	14.	7.	23.	17.	14.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	312.	1528.	0.0020	0.0001	3.0
% ANTIMONY	564.1	204.	27942.	0.1001	0.0006	0.6
% ARSENIC	657.4	82.	21.	< 6.2955E-04		NOT DETECTABLE

00610007 RF QY

SAMPLE DATE: 18JUN80 900:00
 SAMPLE IDENTIFICATION: 010081-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13849.00 UNITS: UG
 SAMPLE GEOMETRY: KT3 6HK
 EFFICIENCY FILE NAME: FFF.TAB3

 *
 ACQUISITION DATE: 18JUN80 1656:29 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	48.	34.	43.	37.	35.	32.	52.	45.	64.
1010:	58.	93.	168.	240.	314.	336.	309.	250.	130.
1027:	78.	49.	59.	49.	42.	37.	33.	42.	31.

% COPPER 511.09 KEV 0.0021

1117:	79.	116.	178.	160.	119.	104.	141.	179.	201.
1126:	487.	1806.	5569.	8865.	6929.	2497.	376.	57.	19.
1135:	16.	10.	18.	24.	14.	12.	20.	16.	15.

% ANTIMONY 564.09 KEV 0.0094

1301:	11.	12.	14.	13.	14.	19.	11.	17.	11.
1310:	11.	11.	12.	12.	19.	22.	24.	20.	10.
1319:	15.	12.	7.	11.	9.	11.	9.	6.	13.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	292.	1455.	0.0021	0.0001	3.1
% ANTIMONY	564.1	166.	26263.	0.0094	0.0006	0.6
% ARSENIC	657.4	59.	38.	< 5.6960E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 8:23:04 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01038J-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 16196.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 1706:47 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 600. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NR ITERATIONS: 10.
 *

 *
 DETECTOR: GEI J-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TO FRANGE: 2.000KV
 KEV/CHNL: 0.5001838 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	19.	15.	16.	16.	15.	30.	24.	17.	44.
1018:	69.	90.	154.	245.	390.	365.	312.	219.	147.
1027:	90.	42.	20.	27.	17.	13.	19.	16.	16.

% COPPER 511.00 KEV 0.0021

1117:	25.	22.	27.	24.	31.	32.	52.	55.	70.
1126:	144.	558.	1607.	2507.	1944.	674.	117.	15.	13.
1135:	15.	11.	6.	8.	11.	11.	10.	8.	9.

% ANTIMONY 564.09 KEV 0.0242

1301:	8.	11.	9.	7.	4.	12.	13.	8.	5.
1310:	9.	8.	12.	11.	11.	7.	9.	6.	8.
1319:	11.	8.	5.	5.	6.	14.	6.	5.	8.

% ARSENIC 657.44 KEV < 0.0004

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	119.	1713.	0.0021	0.0001	2.6
% ANTIMONY	564.1	87.	7484.	0.0242	0.0003	1.2
% ARSENIC	657.4	40.	11.	< 4.0660E-04	NOT DETECTABLE	

00610007 RF. 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01030J-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 16091.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 1717:02 * FWHM(1K2) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUC1.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345650 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	20.	20.	16.	20.	20.	22.	24.	30.	24.
1018:	63.	81.	145.	215.	299.	355.	304.	202.	137.
1027:	81.	50.	27.	20.	26.	13.	19.	10.	10.

% COPPER 511.04 KEV 0.0019

1117:	21.	25.	23.	28.	17.	28.	43.	53.	66.
1126:	141.	511.	1587.	2505.	2022.	725.	123.	21.	6.
1135:	18.	12.	5.	7.	8.	10.	6.	8.	4.

% ANTIMONY 564.09 KEV 0.0245

1301:	8.	11.	5.	11.	8.	10.	4.	7.	9.
1310:	8.	14.	6.	8.	12.	15.	13.	8.	14.
1319:	10.	7.	7.	13.	11.	11.	8.	10.	5.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	117.	1540.	0.0019	0.0001	2.7
% ANTIMONY	564.1	86.	7528.	0.0245	0.0003	1.2
% ARSENIC	657.4	49.	-1.	< 4.5390E-04	NOT DETECTABLE	

00610007 RF BY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01038J-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15566.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAR3

 *
 ACQUISITION DATE: 18JUN80 1727:17 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GEL1-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5000818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345650 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	17.	10.	14.	32.	19.	26.	20.	31.	39.
1018:	33.	66.	128.	251.	312.	300.	312.	208.	126.
1027:	65.	48.	20.	27.	16.	15.	9.	14.	20.

% COPPER 511.69 KEV 0.0026

1117:	26.	22.	25.	26.	27.	29.	39.	46.	61.
1126:	109.	520.	1550.	2444.	1829.	671.	126.	15.	10.
1135:	6.	11.	7.	8.	5.	15.	9.	10.	9.

% ANTIMONY 564.69 KEV 0.0242

1301:	7.	9.	5.	11.	11.	7.	5.	9.	5.
1310:	9.	4.	5.	5.	5.	6.	8.	16.	7.
1319:	2.	7.	6.	11.	5.	5.	10.	6.	8.

% ARSENIC 657.49 KEV 0.0004

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	115.	1525.	0.0026	0.0001	2.9
% ANTIMONY	564.1	81.	7168.	0.0242	0.0003	1.2
% ARSENIC	657.4	40.	2.	< 4.2934E-04	NOT DETECTABLE	

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLe IDENTIFICATION: 01038K-1
 TYPE OF SAMPLe: UNKNOWN
 SAMPLe QUANTITY: 13371.00 UNITS: UG
 SAMPLe GEOMFTRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AB3

 *
 ACQUISITION DATE: 18JUN80 1737:30 * PWHM(1337) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	37.	43.	43.	40.	61.	39.	36.	54.	59.
1010:	90.	113.	168.	259.	340.	341.	321.	263.	147.
1027:	117.	69.	49.	39.	45.	41.	55.	33.	30.

% COPPER 511.00 KEV 0.0023

1117:	76.	137.	176.	185.	137.	128.	131.	101.	248.
1126:	582.	2211.	6603.	10636.	8063.	2830.	481.	56.	20.
1135:	26.	13.	22.	19.	16.	12.	12.	20.	19.

% ANTIMONY 564.09 KEV 0.1228

1301:	11.	12.	14.	14.	8.	10.	9.	14.	12.
1310:	13.	13.	12.	13.	21.	24.	22.	16.	7.
1319:	5.	6.	6.	11.	4.	7.	10.	9.	12.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	295.	1544.	0.0023	0.0001	3.0
% ANTIMONY	564.1	192.	31217.	0.1228	0.0007	0.6
% ARSENIC	657.4	50.	47.	7.2688E-04	1.8865E-04	26.0

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01038K-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13957.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.1ABJ

 *
 ACQUISITION DATE: 18JUN80 1747:49 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY:NUCL.LIBJ
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	49.	59.	48.	41.	53.	56.	45.	73.	75.
1018:	85.	115.	161.	256.	306.	350.	320.	244.	162.
1027:	108.	60.	49.	48.	42.	44.	35.	37.	40.

% COPPER 511.00 KEV 0.0022

1117:	88.	120.	169.	179.	129.	135.	153.	176.	271.
1126:	612.	2235.	6729.	10837.	8320.	3027.	486.	64.	19.
1135:	15.	10.	21.	12.	16.	10.	16.	12.	16.

% ANTIMONY 564.09 KEV 0.1210

1301:	9.	12.	13.	11.	17.	13.	14.	14.	13.
1310:	12.	17.	9.	13.	20.	32.	24.	14.	13.
1319:	11.	7.	14.	12.	16.	8.	9.	9.	9.

% ARSENIC 657.40 KEV 0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	295.	1507.	0.0022	0.0001	3.0
% ANTIMONY	564.1	176.	32070.	0.1210	0.0007	0.6
% ARSENIC	657.4	60.	43.	6.4687E-04	1.9213E-04	29.7

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q103AK-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13897.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 1758:07 * FWHM(1X2) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345650 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	43.	40.	43.	42.	50.	42.	46.	54.	62.
1018:	67.	108.	186.	249.	301.	337.	289.	253.	144.
1027:	100.	72.	40.	50.	29.	50.	36.	34.	36.

% COPPER 511.00 KEV 0.0022

1117:	70.	142.	177.	176.	124.	142.	156.	163.	237.
1126:	587.	2143.	6302.	10049.	8022.	2796.	421.	48.	18.
1135:	17.	17.	15.	20.	20.	17.	11.	15.	12.

% ANTIMONY 564.09 KEV 0.1145

1301:	9.	14.	11.	13.	10.	12.	6.	7.	17.
1310:	13.	13.	11.	15.	18.	23.	22.	16.	11.
1319:	17.	18.	11.	9.	16.	19.	16.	17.	17.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	AKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	291.	1468.	0.0022	0.0001	3.1
% ANTIMONY	564.1	183.	30137.	0.1145	0.0007	0.6
% ARSENIC	657.4	69.	26.	< 6.2545E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 8:29:07 AM *****

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01038L-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13579.00 UNITS: UG
 SAMPLE GEOMETRY: R13 6HK
 EFFICIENCY FILE NAME: FFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 1808:26 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL : 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	57.	67.	35.	44.	51.	38.	65.	63.	77.
1018:	80.	140.	195.	257.	338.	386.	341.	301.	164.
1027:	98.	66.	57.	52.	52.	44.	45.	49.	34.

% COPPER 511.00 KEV 0.0026

1117:	104.	162.	180.	186.	149.	151.	113.	198.	273.
1126:	642.	2321.	7141.	11223.	8806.	3024.	527.	56.	27.
1135:	21.	20.	17.	23.	20.	16.	12.	18.	14.

% ANTIMONY 564.09 KEV 0.1303

1301:	8.	15.	17.	11.	9.	15.	9.	15.	9.
1310:	11.	8.	12.	11.	17.	28.	27.	13.	15.
1319:	9.	18.	17.	18.	11.	9.	8.	6.	12.

% ARSENIC 657.40 KEV 0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	300.	1682.	0.0026	0.0001	2.9
% ANTIMONY	564.1	209.	33475.	0.1303	0.0007	0.6
% ARSENIC	657.4	60.	41.	6.3192E-04	1.9712E-04	31.2

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q1038L-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13403.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 1818:45 * FWHM(100%) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GEL I-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	44.	53.	45.	53.	55.	47.	56.	50.	74.
1018:	75.	134.	192.	300.	375.	386.	325.	282.	171.
1027:	96.	75.	51.	46.	53.	49.	49.	44.	46.

% COPPER 511.00 KEV 0.0027

1117:	90.	145.	217.	212.	143.	157.	183.	166.	291.
1126:	606.	2453.	7107.	11587.	8795.	3178.	511.	57.	26.
1135:	34.	19.	28.	20.	18.	17.	19.	15.	11.

% ANTIMONY 564.09 KEV 0.1344

1301:	18.	14.	13.	16.	13.	14.	11.	11.	11.
1310:	14.	20.	9.	13.	32.	26.	23.	10.	20.
1319:	19.	13.	12.	19.	13.	19.	13.	21.	10.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	337.	1694.	0.0027	0.0001	2.9
% ANTIMONY	564.1	228.	34009.	0.1344	0.0008	0.6
% ARSENIC	657.4	78.	34.	< 6.9308E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 8:31:07 AM *****

00610007 RT 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010381-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13462.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB3

 *
 ACQUISITION DATE: 18JUN80 1829:03 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 606. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	41.	54.	49.	48.	62.	48.	55.	47.	60.
1018:	85.	120.	162.	289.	349.	383.	364.	272.	194.
1027:	110.	76.	51.	43.	44.	44.	56.	42.	47.

% COPPER 511.00 KEV 0.0027

1117:	103.	175.	230.	217.	157.	122.	159.	183.	270.
1126:	661.	2378.	7131.	11441.	8783.	3117.	543.	59.	26.
1135:	29.	20.	15.	16.	19.	19.	17.	10.	17.

% ANTIMONY 564.09 KEV 0.1334

1301:	20.	13.	17.	17.	9.	15.	14.	19.	13.
1310:	11.	14.	14.	19.	17.	33.	13.	25.	11.
1319:	16.	16.	13.	18.	12.	10.	21.	5.	11.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	310.	1703.	0.0027	0.0001	2.8
%-ANTIMONY	564.1	200.	33855.	0.1334	0.0007	0.6
%-ARSENIC	657.4	69.	7.	< 6.5426E-04	NOT DETECTABLE	

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q1036A-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12468.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB3

 *
 ACQUISITION DATE: 18JUN80 1839:23 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUCL. LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL : 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	44.	44.	43.	43.	32.	45.	42.	53.	48.
1018:	62.	112.	143.	226.	326.	301.	265.	228.	132.
1027:	71.	62.	46.	52.	42.	42.	31.	37.	27.

% COPPER 511.00 KEV 0.0023

1117:	85.	104.	166.	152.	129.	117.	128.	138.	212.
1126:	488.	1897.	5563.	8528.	6660.	2346.	370.	48.	15.
1135:	23.	20.	19.	15.	14.	18.	15.	18.	12.

% ANTIMONY 564.09 KEV 0.1095

1301:	12.	21.	14.	12.	18.	19.	7.	19.	11.
1310:	13.	14.	14.	13.	21.	23.	26.	14.	16.
1319:	14.	19.	8.	11.	14.	7.	15.	12.	7.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	272.	1349.	0.0023	0.0001	3.2
%-ANTIMONY	564.1	169.	25683.	0.1095	0.0007	0.6
%-ARSENIC	657.4	72.	29.	< 7.2398E-04		NOT DETECTABLE

 ***** 19 JUN 1980 8:33:09 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01036A-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13026.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1ABJ

 *
 ACQUISITION DATE: 18JUN80 1849:41 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	46.	41.	43.	39.	44.	49.	44.	60.	63.
1019:	77.	102.	173.	260.	315.	352.	296.	241.	157.
1027:	80.	59.	52.	47.	36.	43.	32.	41.	41.

% COPPER 511.00 KEV 0.0025

1117:	77.	122.	173.	156.	129.	117.	123.	148.	213.
1126:	501.	1900.	5657.	9042.	6944.	2536.	396.	50.	29.
1135:	29.	8.	23.	13.	22.	15.	21.	14.	20.

% ANTIMONY 564.09 KEV 0.1095

1301:	18.	8.	16.	16.	14.	15.	12.	17.	17.
1310:	15.	16.	15.	13.	25.	22.	17.	19.	10.
1319:	11.	12.	16.	5.	17.	16.	15.	8.	6.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	291.	1513.	0.0025	0.0001	3.0
% ANTIMONY	564.1	196.	26780.	0.1095	0.0007	0.6
% ARSENIC	657.4	65.	31.	< 6.6581E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 8:34:09 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q1036A-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12966.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABJ

 *
 ACQUISITION DATE: 18JUN80 1859:59 * FWHM(133P) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIBJ
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	42.	47.	41.	36.	45.	62.	50.	50.	65.
1018:	66.	90.	157.	253.	336.	341.	296.	227.	129.
1027:	75.	68.	49.	54.	37.	51.	41.	37.	34.

% COPPER 511.00 KEV 0.0025

1117:	80.	117.	150.	153.	131.	114.	134.	173.	226.
1126:	524.	1941.	5774.	8888.	6781.	2406.	443.	52.	23.
1135:	20.	16.	16.	18.	22.	19.	21.	21.	17.

% ANTIMONY 564.09 KEV 0.1094

1301:	13.	17.	11.	10.	14.	9.	12.	10.	9.
1310:	11.	11.	15.	17.	22.	26.	16.	20.	11.
1319:	13.	9.	18.	17.	13.	12.	7.	10.	10.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	276.	1463.	0.0025	0.0001	3.1
%-ANTIMONY	564.1	169.	26588.	0.1094	0.0007	0.6
%-ARSENIC	657.4	60.	41.	6.8530E-04	2.1216E-04	31.0

 ***** 19 JUN 1980 8:35:10 AM *****

00610007 RF WY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q1036B-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12708.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB3

 *
 ACQUISITION DATE: 18JUN80 1910:18 * FWHM(133P) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	38.	27.	32.	40.	42.	39.	50.	38.	41.
1018:	75.	96.	164.	194.	254.	292.	262.	188.	129.
1027:	70.	59.	43.	36.	33.	26.	38.	29.	24.

% COPPER 511.00 KEV 0.0022

1117:	73.	135.	156.	146.	121.	109.	111.	163.	247.
1126:	532.	1928.	5719.	8916.	7009.	2452.	382.	51.	15.
1135:	14.	19.	9.	13.	22.	13.	13.	10.	7.

% ANTIMONY 564.09 KEV 0.1126

1301:	8.	14.	13.	6.	11.	9.	5.	10.	9.
1310:	9.	17.	12.	13.	22.	24.	19.	20.	17.
1319:	13.	13.	15.	12.	16.	10.	15.	8.	12.

% ARSENIC 657.40 KEV 0.0000

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	239.	1244.	0.0022	0.0001	3.3
% ANTIMONY	564.1	167.	26772.	0.1126	0.0007	0.6
% ARSENIC	657.4	57.	45.	7.7091E-04	2.1611E-04	28.0

 ***** 19 JUN 1980 8:36:10 AM *****

00610007 RT QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01036B-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12806.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.THRJ

 *
 ACQUISITION DATE: 18JUN80 1920:37 * FWHM(133P) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL : 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	40.	39.	39.	48.	31.	49.	47.	42.	49.
1010:	54.	56.	156.	270.	292.	289.	276.	230.	148.
1027:	91.	62.	51.	47.	36.	41.	36.	39.	34.

% COPPER 511.00 KEV 0.0023

1117:	92.	149.	185.	187.	156.	97.	131.	169.	274.
1126:	561.	2155.	6281.	9788.	7460.	2665.	441.	52.	18.
1135:	14.	17.	12.	14.	13.	14.	11.	24.	19.

% ANTIMONY 564.09 KEV 0.1221

1301:	10.	11.	13.	10.	13.	5.	13.	7.	9.
1310:	16.	16.	8.	14.	17.	20.	24.	17.	14.
1319:	13.	7.	10.	7.	7.	13.	8.	14.	9.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	274.	1337.	0.0023	0.0001	3.3
% ANTIMONY	564.1	162.	29189.	0.1221	0.0007	0.6
% ARSENIC	657.4	51.	41.	7.0872E-04	2.0394E-04	28.8

 ***** 19 JUN 1980 8:37:11 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: QJ036B-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12584.00 UNITS: UG
 SAMPLE GEOMETRY: RTX 6HR
 EFFICIENCY FILE NAME: EFF.TAR1

 *
 ACQUISITION DATE: 18JUN80 1930:56 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY: NUCL. LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY 100-FRANCE: 2.000KV
 KEV/CHNL.: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	45.	45.	39.	51.	46.	40.	42.	50.	54.
1018:	66.	98.	147.	235.	276.	298.	284.	237.	135.
1027:	82.	61.	41.	39.	29.	30.	34.	30.	32.

% COPPER 511.00 KEV 0.0024

1117:	71.	139.	156.	168.	141.	114.	137.	155.	242.
1126:	558.	2079.	6012.	9700.	7400.	2554.	427.	54.	19.
1135:	19.	20.	14.	14.	14.	13.	13.	17.	13.

% ANTIMONY 564.00 KEV 0.1217

1301:	14.	18.	17.	23.	9.	11.	9.	6.	8.
1310:	15.	9.	11.	16.	20.	21.	19.	6.	5.
1319:	7.	8.	15.	9.	12.	11.	11.	9.	10.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	273.	1339.	0.0024	0.0001	3.3
% ANTIMONY	564.1	183.	28547.	0.1217	0.0007	0.6
% ARSENIC	657.4	65.	22.	< 7.0079E-04	NOT DETECTABLE	

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010360-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13194.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.7AR1

 *
 ACQUISITION DATE: 18JUN80 1941:14 * PWHM(1000) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 600. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIBJ
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	10.	9.	5.	10.	13.	5.	19.	19.	24.
1018:	29.	35.	86.	130.	166.	184.	195.	125.	75.
1027:	41.	25.	13.	16.	11.	11.	8.	9.	8.

% COPPER 511.00 KEV 0.0015

1117:	13.	19.	17.	10.	21.	19.	17.	22.	30.
1126:	54.	234.	651.	1017.	719.	263.	51.	9.	6.
1135:	5.	7.	8.	9.	4.	3.	4.	6.	7.

% ANTIMONY 564.09 KEV 0.0120

1301:	4.	3.	13.	10.	5.	7.	11.	7.	3.
1310:	9.	2.	8.	6.	2.	9.	7.	7.	3.
1319:	6.	10.	7.	6.	9.	7.	2.	12.	4.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	ARFA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	62.	899.	0.0015	0.0001	3.6
% ANTIMONY	564.1	48.	2941.	0.0120	0.0002	1.9
% ARSENIC	657.4	37.	-6.	< 5.2160E-04	NOT DETECTABLE	

 ***** 19 JUN 80 8:29:12 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 900:00
 SAMPLe IDENTIFICATION: 010360-2
 TYPE OF SAMPLe: UNKNOWN
 SAMPLe QUANTITY: 12995.00 UNITS: UG
 SAMPLe GEOMETRY: RTX 6HR
 EFFICIENCY FILE NAME: EFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 1951:29 * FWHM(133P) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	10.	18.	19.	13.	11.	15.	18.	14.	31.
1018:	36.	48.	87.	135.	156.	195.	164.	126.	83.
1027:	33.	28.	27.	10.	15.	12.	7.	11.	18.

% COPPER 511.00 KEV 0.0015

1117:	12.	17.	19.	14.	13.	19.	12.	24.	26.
1126:	67.	236.	665.	1004.	822.	298.	44.	10.	9.
1135:	13.	8.	10.	12.	13.	6.	15.	5.	8.

% ANTIMONY 564.69 KEV 0.0128

1301:	13.	10.	5.	7.	7.	3.	7.	7.	16.
1310:	5.	5.	5.	8.	8.	8.	10.	11.	9.
1319:	13.	6.	7.	8.	7.	8.	6.	8.	10.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	80.	866.	0.0015	0.0001	3.7
% ANTIMONY	564.1	69.	3067.	0.0128	0.0002	1.9
% ARSENIC	657.4	35.	12.	< 5.1492E-04		NOT DETECTABLE

00610007 RF 04

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010360-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13702.00 UNITS: UG
 SAMPLE GEOMETRY: K13 6HR
 EFFICIENCY FILE NAME: FFF.TAR3

 *
 ACQUISITION DATE: 18JUN80 2000:44 * FWHM(133P) 2.004
 PRESET TIME(IYF): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 600. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GFI 7-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL : 0.5001818 * HALF LIFE RATIO: 0.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	20.	15.	12.	12.	16.	19.	10.	16.	17.
1018:	30.	52.	88.	146.	165.	214.	200.	100.	78.
1027:	41.	34.	28.	21.	13.	8.	12.	14.	10.

% COPPER 511.04 KEV 0.0016

1117:	12.	11.	16.	12.	15.	16.	10.	15.	35.
1126:	54.	245.	625.	1002.	770.	297.	52.	10.	10.
1135:	7.	6.	6.	6.	10.	2.	8.	13.	13.

% ANTIMONY 564.09 KEV 0.0010

1301:	7.	4.	8.	10.	3.	10.	6.	9.	6.
1310:	11.	6.	9.	10.	2.	5.	8.	4.	5.
1319:	6.	6.	7.	10.	4.	6.	4.	7.	13.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	79.	928.	0.0016	0.0001	3.6
% ANTIMONY	564.1	55.	3000.	0.0010	0.0002	1.9
% ARSENIC	657.4	33.	1.	< 4.7815E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 8:41:17 AM *****

00610007 RT DY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010360-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15708.00 UNITS: UG
 SAMPLE GEOMETRY: RTX 6HR
 EFFICIENCY FILE NAME: EFF.TAR1

 *
 ACQUISITION DATE: 18JUN80 2011:59 * FWHM(KeV) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 606. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NR ITERATIONS: 10.
 *

 *
 DETECTOR: GEM-15A * LIBRARY:NUCL.LIB
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TO CHANNEL: 2.000KV
 KEV/CHNL: 0.5000000 * HALF LIFE RATIO: 0.00
 OFFSET: -0.624565d KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	60.	51.	58.	51.	63.	53.	77.	79.	82.
1018:	93.	156.	186.	204.	209.	493.	290.	311.	204.
1027:	116.	89.	63.	53.	48.	49.	61.	46.	63.

% COPPER 511.04 KEV 01.00229

1117:	118.	213.	293.	268.	179.	160.	187.	276.	259.
1126:	800.	2168.	9474.	14897.	11334.	2850.	664.	66.	24.
1135:	19.	16.	23.	18.	20.	16.	18.	23.	16.

% ANTIMONY 564.05 KEV 01.15112

1301:	13.	18.	21.	13.	16.	8.	17.	16.	12.
1310:	15.	19.	19.	15.	20.	23.	20.	22.	12.
1319:	13.	11.	7.	11.	15.	21.	11.	16.	8.

% ARSENIC 657.44 KEV 01.00016

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	CKNDT	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	403.	1884.	0.0028	0.0001	2.8
% ANTIMONY	564.1	246.	43941.	0.1512	0.00018	0.5
% ARSENIC	657.4	75.	35.	< 6.1205E-04		NO DETECTABLE

00610007 RT 0Y

SAMPLE DATE: 18JUN80 001:00
 SAMPLE IDENTIFICATION: 010060-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 16624.00 UNITS: UG
 SAMPLE GEOMETRY: K13 SHR
 EFFICIENCY FILE NAME: FFF.1AB3

 *
 ACQUISITION DATE: 18JUN80 2022:17 * FWHM(CXSP) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 607. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GEI1-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5000818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634565d KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	75.	46.	67.	64.	65.	62.	67.	87.	94.
1018:	95.	154.	238.	346.	471.	466.	415.	337.	221.
1027:	111.	86.	78.	56.	65.	55.	66.	49.	51.

% COPPER 511.00 KEV <M. 0000

1117:	115.	224.	275.	266.	199.	186.	211.	241.	361.
1126:	888.	2330.	9692.	15755.	11788.	4206.	702.	93.	30.
1135:	17.	24.	20.	23.	19.	21.	18.	27.	24.

% ANTIMONY 564.00 KEV <M. 1502

1301:	13.	18.	19.	22.	17.	14.	17.	20.	16.
1310:	23.	21.	15.	16.	22.	35.	28.	20.	9.
1319:	9.	19.	14.	16.	16.	19.	20.	14.	8.

% ARSENIC 657.40 KEV <M. 0000

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	% ERROR
% COPPER	511.0	405.	2089.	0.0000	0.0001	2.6
% ANTIMONY	564.1	251.	46110.	0.1502	0.0007	0.5
% ARSENIC	657.4	87.	34.	< 6.2456E-04	NOT DETECTABLE	

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01036F-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 18195.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAR3

 *
 ACQUISITION DATE: 18JUN80 2002:36 * FWHM(1000) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED MEAS TIME: 600. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NRK ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5000000 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	28.	22.	27.	24.	28.	21.	36.	41.	47.
1018:	54.	79.	138.	243.	339.	335.	326.	215.	152.
1027:	87.	65.	38.	20.	21.	21.	22.	14.	16.

% COPPER 511.04 KEV <M. 0021

1117:	25.	31.	46.	38.	42.	42.	67.	49.	97.
1126:	202.	741.	2292.	3485.	2712.	990.	155.	23.	11.
1135:	7.	16.	12.	14.	12.	13.	9.	15.	10.

% ANTIMONY 564.05 KEV <M. 0012

1301:	18.	12.	8.	11.	4.	13.	10.	10.	11.
1310:	11.	14.	12.	7.	8.	13.	10.	16.	9.
1319:	9.	6.	9.	6.	13.	8.	10.	7.	8.

% ARSENIC 657.40 KEV <M. 0004

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	124.	1624.	0.0021	0.0001	2.7
% ANTIMONY	564.1	104.	10473.	0.0012	0.0003	1.0
% ARSENIC	657.4	46.	6.	< 4.2486E-04	NON DETECTABLE	

00610007 RF 07

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01306E-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7762.0000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.1ARU

 *
 ACQUISITION DATE: 18JUN80 2042:53 * FMHPC1000 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GEI J-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345650 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	16.	20.	16.	9.	17.	19.	17.	20.	20.
1018:	32.	47.	72.	108.	149.	177.	155.	115.	63.
1027:	41.	23.	19.	14.	20.	9.	16.	10.	13.

% COPPER 511.00 KEV 0.000%

1117:	19.	25.	15.	22.	29.	27.	13.	30.	43.
1126:	83.	310.	986.	1452.	1191.	425.	71.	13.	6.
1135:	12.	6.	7.	15.	13.	6.	5.	5.	8.

% ANTIMONY 564.00 KEV 0.000%

1301:	5.	10.	7.	8.	9.	5.	14.	5.	5.
1310:	7.	11.	4.	8.	8.	15.	10.	9.	6.
1319:	13.	10.	12.	8.	10.	11.	6.	6.	13.

% ARSENIC 657.40 KEV < 0.000%

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	86.	753.	0.000%	0.0001	4.0
% ANTIMONY	564.1	72.	4446.	0.000%	0.0001	1.5
% ARSENIC	657.4	40.	72.	< 0.000%	NOT DETECTABLE	

 ***** 19 JUN 80 8:45:15 AM *****

00610007 RT OV

SAMPLE DATE:- 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010036F-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 19329.00 UNITS: UG
 SAMPLE GEOMETRY: K13 6HR
 EFFICIENCY FILE NAME: FFF.TAR1

 *
 ACQUISITION DATE: 18JUN80 2053:06 * FWHM(KK?) 2.004
 OFFSET TIME(OIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAFT PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NRX ITERATIONS: 10.
 *

 *
 DETECTOR: GEI I-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TO FRANGE: 2.000KV
 KEV/CHNL: 0.5001808 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	30.	26.	34.	32.	26.	35.	25.	38.	56.
1018:	58.	109.	181.	309.	368.	422.	352.	265.	179.
1027:	114.	50.	33.	25.	24.	19.	20.	17.	16.

% COPPER 511.04 KEV 0.0024

1117:	38.	39.	32.	42.	40.	46.	52.	69.	106.
1126:	214.	837.	2507.	4001.	2880.	1055.	184.	30.	11.
1135:	12.	15.	6.	8.	10.	8.	6.	11.	13.

% ANTIMONY 564.09 KEV 0.0026

1301:	10.	9.	13.	8.	11.	8.	14.	6.	8.
1310:	15.	9.	10.	12.	5.	8.	9.	9.	11.
1319:	7.	8.	5.	8.	9.	5.	9.	6.	12.

% ARSENIC 657.44 KEV 0.0004

UNKNOWN SAMPLE REPORT

ELEMNT	PEAK ENERGY	BKND	AREA	CONCENTR.	1-SIGMA ERROR	%ERROR
% COPPER	511.0	141.	1935.	0.0024	0.0001	2.4
% ANTIMONY	564.1	98.	11580.	0.0026	0.0003	0.9
% ARSENIC	657.4	43.	1.	< 3.9123E-04	NOT DETECTABLE	

00600007 RF 04

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010361-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14208.00 UNITS: UG
 SAMPLE GEOMETRY: K1X 6HR
 EFFICIENCY FILE NAME: FFF.1AR3

 *
 ACQUISITION DATE: 18JUN80 2203:21 * FWHM(KeV) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5000818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	56.	48.	47.	52.	52.	61.	65.	47.	70.
1018:	78.	121.	176.	241.	325.	380.	321.	253.	158.
1027:	98.	61.	49.	45.	45.	28.	45.	40.	43.

% COPPER 511.44 KEV 0.0027

1117:	112.	159.	187.	181.	161.	127.	113.	183.	279.
1126:	625.	2448.	7253.	11243.	8622.	3005.	482.	54.	19.
1135:	24.	17.	13.	16.	26.	20.	11.	18.	21.

% ANTIMONY 564.49 KEV 0.1285

1301:	14.	11.	7.	17.	12.	20.	14.	6.	10.
1310:	12.	8.	17.	16.	21.	21.	28.	18.	11.
1319:	17.	16.	14.	13.	12.	15.	7.	10.	16.

% ARSENIC 657.44 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	324.	1540.	0.0027	0.0001	3.0
% ANTIMONY	564.1	208.	33470.	0.1285	0.0007	0.6
% ARSENIC	657.4	62.	42.	6.7632E-04	2.0754E-04	30.7

 ***** 19 JUN 80 8:47:16 AM *****

00510007 RF NY

SAMPLE DATE: 18JUN80 900:00
 SAMPLE IDENTIFICATION: Q10036F-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14782.00 UNITS: UG
 SAMPLE GEOMETRY: RTX 6HR
 EFFICIENCY FILE NAME: EFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 2113:39 * FWHM(133P) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 606. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GEI 1-15A * LIBRARY:NUCL 11B3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TO FRANGE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	57.	49.	59.	59.	55.	56.	53.	57.	66.
1018:	99.	114.	171.	291.	380.	378.	310.	254.	149.
1027:	98.	90.	63.	50.	41.	52.	52.	39.	48.

% COPPER 511.00 KEV 0.0027

1117:	81.	187.	231.	188.	156.	142.	153.	193.	338.
1126:	729.	2735.	7979.	12621.	9584.	3215.	557.	62.	25.
1135:	24.	20.	17.	26.	16.	16.	22.	21.	21.

% ANTIMONY 564.00 KEV 0.1378

1301:	20.	16.	10.	12.	13.	12.	13.	11.	15.
1310:	16.	15.	12.	16.	24.	25.	25.	15.	13.
1319:	9.	11.	10.	14.	14.	6.	10.	11.	9.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	237.	1596.	0.0027	0.0001	3.0
% ANTIMONY	564.1	227.	37293.	0.1378	0.0007	0.5
% ARSENIC	657.4	59.	46.	7.1519E-04	1.9919E-04	27.9

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01036F-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15596.00 UNITS: UG
 SAMPLE GEOMETRY: R13 6HR
 EFFICIENCY FILE NAME: EFF.1A61

 *
 ACQUISITION DATE: 18JUN80 2123:58 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 0.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	55.	63.	60.	53.	61.	46.	66.	55.	81.
1018:	77.	116.	182.	329.	355.	372.	338.	261.	180.
1027:	115.	66.	58.	56.	47.	42.	44.	41.	49.

% COPPER 511.00 KEV 0.0027

1117:	118.	157.	235.	224.	157.	149.	157.	189.	309.
1126:	720.	2838.	8211.	13081.	9581.	3384.	583.	70.	27.
1135:	14.	22.	25.	23.	20.	24.	18.	23.	13.

% ANTIMONY 564.09 KEV 0.1340

1301:	13.	11.	14.	14.	19.	8.	11.	8.	6.
1310:	12.	9.	7.	16.	25.	23.	17.	14.	11.
1319:	14.	12.	11.	7.	20.	12.	5.	13.	9.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	340.	1678.	0.0027	0.0001	2.9
%-ANTIMONY	564.1	216.	38182.	0.1340	0.0007	0.5
%-ARSENIC	657.4	62.	34.	< 5.7993E-04		NOT DETECTABLE

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010360-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13872.00 UNITS: UG
 SAMPLE GEOMETRY: R13 6HR
 EFFICIENCY FILE NAME: EFF.TABJ

 *
 ACQUISITION DATE: 18JUN80 2134:17 * FWHM(133P) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NRX ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIBJ
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	47.	44.	46.	46.	37.	42.	50.	37.	61.
1018:	62.	95.	129.	215.	294.	308.	258.	209.	161.
1027:	65.	57.	58.	41.	43.	46.	44.	39.	47.

% COPPER 511.00 KEV 0.0024

1117:	93.	118.	186.	150.	137.	117.	142.	157.	226.
1126:	547.	2116.	6105.	9756.	7328.	2767.	421.	49.	12.
1135:	11.	22.	16.	16.	11.	17.	11.	16.	13.

% ANTIMONY 564.09 KEV 0.1141

1301:	9.	8.	10.	11.	10.	15.	7.	8.	9.
1310:	10.	7.	9.	16.	17.	13.	20.	10.	10.
1319:	9.	15.	5.	8.	12.	9.	16.	12.	10.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PPAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	262.	1312.	0.0024	0.0001	3.3
%-ANTIMONY	564.1	176.	28864.	0.1141	0.0007	0.6
%-ARSENIC	657.4	56.	20.	< 6.2446E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 8:50:18 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01036G-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14531.00 UNITS: UG
 SAMPLE GEOMETRY: R13 6HR
 EFFICIENCY FILE NAME: FFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 2144:35 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GFI I-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	47.	41.	42.	42.	42.	45.	54.	41.	51.
1018:	67.	106.	152.	234.	249.	281.	266.	198.	131.
1027:	81.	54.	46.	42.	30.	44.	39.	42.	36.

% COPPER 511.00 KEV 0.0022

1117:	80.	127.	169.	180.	119.	105.	142.	196.	239.
1126:	518.	2122.	6306.	10089.	7603.	2719.	432.	50.	16.
1135:	28.	14.	15.	12.	18.	11.	11.	10.	15.

% ANTIMONY 564.09 KEV 0.1120

1301:	13.	15.	21.	11.	12.	13.	15.	14.	7.
1310:	16.	10.	15.	14.	16.	18.	20.	11.	13.
1319:	17.	11.	17.	13.	9.	15.	12.	16.	11.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	262.	1249.	0.0022	0.0001	3.4
% ANTIMONY	564.1	155.	29634.	0.1120	0.0007	0.6
% ARSENIC	657.4	69.	15.	< 6.6047E-04	NOT DETECTABLE	

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q1036G-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14679.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 2154:54 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GEL I-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001618 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	41.	42.	42.	35.	41.	35.	53.	61.	59.
1018:	81.	85.	151.	182.	266.	301.	259.	185.	139.
1027:	92.	53.	49.	48.	36.	47.	28.	47.	34.

% COPPER 511.00 KEV 0.0021

1117:	89.	135.	190.	163.	127.	115.	149.	164.	216.
1126:	510.	2023.	5880.	9924.	7455.	2827.	432.	61.	20.
1135:	16.	21.	17.	10.	7.	15.	19.	14.	16.

% ANTIMONY 564.09 KEV 0.1082

1301:	9.	13.	12.	15.	11.	13.	14.	8.	14.
1310:	7.	6.	12.	15.	17.	25.	21.	19.	12.
1319:	9.	3.	8.	10.	8.	9.	10.	12.	6.

% ARSENIC: 657.40 KEV 0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	277.	1206.	0.0021	0.0001	3.5
%-ANTIMONY	564.1	188.	28863.	0.1082	0.0007	0.6
%-ARSENIC	657.4	57.	41.	6.4569E-04	1.9759E-04	30.6

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01006H-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12975.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 2205:13 * FMHM(1332) 2.004
 OFFSET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	42.	33.	35.	38.	41.	40.	45.	34.	44.
1018:	56.	81.	111.	162.	237.	234.	228.	174.	113.
1027:	70.	67.	39.	43.	34.	39.	42.	27.	28.

% COPPER 511.00 KEV 0.0020

1117:	59.	104.	131.	129.	102.	103.	115.	176.	209.
1126:	459.	1839.	5391.	8175.	6404.	2320.	398.	42.	10.
1135:	12.	12.	13.	14.	16.	11.	10.	12.	11.

% ANTIMONY 564.09 KEV 0.1056

1301:	14.	4.	11.	18.	11.	12.	11.	9.	10.
1310:	9.	13.	6.	13.	17.	23.	19.	19.	9.
1319:	7.	6.	7.	6.	6.	8.	14.	10.	10.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	243.	1016.	0.0020	0.0001	3.8
% ANTIMONY	564.1	127.	24859.	0.1056	0.0007	0.7
% ARSENIC	657.4	50.	41.	7.4286E-04	2.1523E-04	29.0

1009:	42.	33.	35.	38.	41.	40.	45.	34.	44.
1018:	56.	81.	111.	162.	237.	234.	228.	174.	113.
1027:	70.	67.	39.	43.	34.	39.	42.	27.	28.

% COPPER 511.00 KEV 0.0020

1117:	59.	104.	131.	129.	102.	103.	115.	176.	209.
1126:	459.	1839.	5391.	8175.	6404.	2320.	398.	42.	10.
1135:	12.	12.	13.	14.	16.	11.	10.	12.	11.

% ANTIMONY 564.09 KEV 0.1056

1201:	14.	4.	11.	18.	11.	12.	11.	9.	10.
1210:	9.	13.	6.	13.	17.	23.	19.	19.	9.
1219:	7.	6.	7.	6.	6.	8.	14.	10.	10.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1. SIGMA ERROR	ZERROR
% COPPER	511.0	242.	1016.	0.0020	0.0001	3.8
%-ANTIMONY	564.1	127.	24859.	0.1056	0.0007	0.7
%-ARSENIC	657.4	50.	41.	7.4286E-04	2.1523E-04	29.0

 ***** 19 JUN 1980 8:53:57 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01036H-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14220.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 2225:42 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 0.00
 OFFSET: -0.6345650 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	47.	45.	67.	44.	35.	48.	49.	63.	58.
1018:	62.	69.	156.	214.	264.	316.	271.	198.	115.
1027:	85.	55.	42.	47.	46.	30.	38.	44.	35.

% COPPER 511.00 KEV 0.0023

1117:	93.	141.	178.	166.	110.	117.	115.	167.	229.
1126:	552.	1955.	6120.	9660.	7406.	2624.	441.	58.	27.
1135:	19.	19.	19.	19.	25.	11.	11.	19.	14.

% ANTIMONY 564.09 KEV 0.1111

1301:	13.	12.	20.	10.	18.	13.	7.	12.	14.
1310:	15.	12.	17.	15.	19.	22.	18.	23.	18.
1319:	12.	14.	12.	20.	13.	9.	16.	6.	13.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	266.	1268.	0.0023	0.0001	3.4
% ANTIMONY	564.1	197.	28561.	0.1111	0.0007	0.6
% ARSENIC	657.4	69.	32.	< 6.8721E-04	NOT DETECTABLE	

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010361-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14318.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.TAR1

 *
 ACQUISITION DATE: 18JUN80 2236:01 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NNR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	34.	36.	51.	50.	36.	41.	53.	46.	51.
1018:	67.	92.	157.	229.	270.	278.	255.	186.	138.
1027:	80.	63.	51.	50.	41.	35.	35.	36.	46.

% COPPER 511.09 KEV 0.0023

1117:	67.	143.	183.	164.	137.	93.	128.	169.	200.
1126:	565.	2070.	6164.	9833.	7441.	2644.	461.	58.	16.
1135:	29.	16.	21.	20.	22.	16.	22.	14.	14.

% ANTIMONY 564.09 KEV 0.1123

1301:	18.	12.	12.	7.	16.	14.	8.	20.	8.
1310:	10.	10.	22.	18.	25.	27.	23.	18.	14.
1319:	8.	11.	15.	20.	13.	9.	10.	17.	12.

% ARSENIC 657.40 KEV 0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	272.	1241.	0.0023	0.0001	3.4
% ANTIMONY	564.1	184.	28994.	0.1123	0.0007	0.6
% ARSENIC	657.4	65.	50.	0.3214E-04	2.2338E-04	26.8

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010361-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14769.00 UNITS: UG
 SAMPLE GEOMTRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.1AR1

 *
 ACQUISITION DATE: 18JUN80 2246:19 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634565d KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	45.	39.	31.	42.	53.	44.	47.	44.	43.
1010:	81.	95.	167.	211.	280.	299.	262.	150.	132.
1027:	66.	57.	43.	42.	35.	39.	45.	42.	31.

% COPPER 511.00 KEV 0.0023

1117:	101.	124.	187.	154.	118.	117.	129.	184.	207.
1126:	566.	2156.	6368.	9983.	7300.	2553.	428.	55.	19.
1135:	15.	19.	21.	17.	20.	13.	21.	20.	17.

% ANTIMONY 564.09 KEV 0.1096

1301:	14.	11.	13.	9.	9.	13.	11.	14.	10.
1310:	11.	11.	18.	18.	25.	24.	24.	10.	16.
1319:	11.	12.	12.	17.	13.	13.	16.	12.	9.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	281.	1260.	0.0023	0.0001	3.4
% ANTIMONY	564.1	196.	29158.	0.1096	0.0007	0.6
% ARSENIC	657.4	63.	46.	7.4555E-04	2.1265E-04	28.5

 ***** 19 JUN 1980 8:57:00 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLe IDENTIFICATION: 010361-3
 TYPE OF SAMPLe: UNKNOWN
 SAMPLe QUANTITY: 14216.00 UNITS: UG
 SAMPLe GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 2256:38 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOFRANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	45.	42.	39.	50.	61.	48.	47.	43.	54.
1018:	82.	90.	141.	203.	290.	308.	259.	165.	138.
1027:	78.	49.	43.	47.	34.	36.	38.	35.	32.

% COPPER 511.00 KEV 0.0024

1117:	63.	149.	179.	176.	122.	126.	136.	165.	238.
1126:	564.	2165.	6158.	9927.	7736.	2816.	434.	61.	19.
1135:	26.	13.	13.	13.	13.	16.	12.	15.	14.

% ANTIMONY 564.09 KEV 0.1159

1301:	14.	14.	7.	14.	17.	17.	11.	11.	12.
1310:	13.	11.	15.	5.	20.	15.	26.	22.	18.
1319:	16.	7.	11.	17.	7.	12.	12.	11.	12.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	982.	1242.	0.0024	0.0001	3.4
%-ANTIMONY	564.1	197.	29603.	0.1159	0.0007	0.6
%-ARSENIC	657.4	64.	37.	< 6.7506E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 8:58:00 AM *****

00610007 KF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01036J-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15590.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 2306:57 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAFF PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GEL1-15A * LIBRARY:NUCL.LIBJ
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634565d KPV * ABUNDANCE LIMIT: 70.00%
 *

1009:	19.	18.	18.	18.	14.	23.	30.	29.	26.
1018:	48.	63.	120.	175.	259.	271.	203.	174.	91.
1027:	62.	36.	29.	10.	18.	21.	19.	12.	13.

% COPPER 511.00 KEV 0.0021

1117:	17.	26.	29.	27.	23.	39.	24.	33.	54.
1126:	135.	439.	1339.	2150.	1662.	632.	82.	21.	11.
1135:	11.	10.	8.	6.	13.	12.	8.	7.	10.

% ANTIMONY 564.09 KEV 0.0228

1301:	6.	4.	11.	8.	3.	7.	10.	9.	9.
1310:	8.	2.	12.	5.	4.	5.	10.	8.	12.
1319:	8.	4.	7.	5.	13.	8.	4.	3.	8.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	AKGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	101.	1192.	0.0021	0.0001	3.1
%-ANTIMONY	564.1	69.	6371.	0.0228	0.0003	1.3
%-ARSENIC	657.4	33.	3.	< 4.5586E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 8:59:01 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLe IDENTIFICATION: Q1036J-2
 TYPE OF SAMPLe: UNKNOWN
 SAMPLe QUANTITY: 16250.00 UNITS: UG
 SAMPLe GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AB1

 *
 ACQUISITION DATE: 18JUN80 2317:12 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NNR ITERATIONS: 10.
 *

 *
 DETECTOR: GEL1-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345650 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	17.	26.	18.	18.	14.	23.	17.	25.	31.
1018:	46.	66.	93.	173.	210.	255.	246.	150.	97.
1027:	45.	36.	30.	22.	17.	13.	14.	16.	17.

% COPPER 511.00 KEV 0.0019

1117:	18.	13.	16.	9.	34.	36.	36.	34.	39.
1126:	113.	469.	1342.	2098.	1613.	568.	105.	15.	9.
1135:	8.	8.	12.	12.	8.	9.	3.	10.	7.

% ANTIMONY 564.09 KEV 0.0214

1301:	7.	6.	10.	6.	4.	11.	5.	7.	7.
1310:	3.	10.	3.	4.	5.	8.	12.	9.	5.
1319:	9.	15.	7.	9.	4.	6.	3.	9.	4.

% ARSENIC 657.40 KEV <0.0004

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	95.	1129.	0.0019	0.0001	3.2
% ANTIMONY	564.1	67.	6242.	0.0214	0.0003	1.3
% ARSENIC	657.4	34.	5.	< 4.452E-04	NOT DETECTABLE	

00610007 RF 0Y

SAMPLE DATE: 18JUN80 900:00
 SAMPLE IDENTIFICATION: 01036J-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 16424.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF. TAB3

 *
 ACQUISITION DATE: 18JUN80 2327:26 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIBJ
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345653 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	12.	17.	21.	21.	9.	25.	14.	27.	30.
1018:	56.	75.	109.	220.	256.	343.	306.	205.	111.
1027:	72.	35.	34.	16.	22.	13.	16.	16.	11.

% COPPER 511.00 KEV 0.0025

1117:	20.	25.	28.	27.	30.	36.	32.	37.	60.
1126:	130.	472.	1316.	2175.	1649.	621.	92.	15.	14.
1135:	7.	7.	9.	10.	8.	8.	8.	12.	7.

% ANTIMONY 564.09 KEV 0.0218

1301:	7.	4.	8.	6.	4.	6.	4.	11.	11.
1310:	6.	8.	5.	6.	3.	10.	8.	8.	5.
1319:	6.	9.	5.	7.	9.	6.	9.	10.	3.

% ARSENIC 657.40 KEV 0.0004

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	AKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	97.	1453.	0.0025	0.0001	2.8
% ANTIMONY	564.1	69.	6386.	0.0218	0.0003	1.3
% ARSENIC	657.4	35.	-7.	< 4.4553E-04		NOT DETECTABLE

 ***** 19 JUN 1980 9:01:02 AM *****

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01036K-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13596.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.TAR1

 *
 ACQUISITION DATE: 18JUN80 2007:41 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY: NUC1.1181
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5000818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	8.	13.	11.	18.	15.	21.	12.	16.	20.
1018:	39.	56.	72.	120.	170.	165.	168.	127.	77.
1027:	43.	30.	16.	15.	15.	13.	13.	5.	10.

% COPPER 511.00 KEV 0.0017

1117:	9.	9.	12.	22.	24.	16.	18.	24.	37.
1126:	55.	237.	600.	1055.	790.	314.	53.	9.	8.
1135:	10.	9.	3.	7.	7.	6.	6.	5.	11.

% ANTIMONY 564.09 KEV 0.0125

1301:	5.	4.	2.	4.	11.	9.	3.	9.	14.
1310:	3.	9.	6.	5.	9.	7.	5.	11.	13.
1319:	7.	4.	10.	7.	11.	5.	9.	8.	10.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	72.	827.	0.0017	0.0001	3.8
% ANTIMONY	564.1	67.	3037.	0.0125	0.0002	1.9
% ARSENIC	657.4	35.	-3.	< 5.4418E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 9:02:02 AM *****

00610007 RF 07

SAMPLE DATE: 18JUN80 901:00
 SAMPLe IDENTIFICATION: 01036K-2
 TYPE OF SAMPLe: UNKNOWN
 SAMPLe QUANTITY: 13190.00 UNITS: UG
 SAMPLe GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1ABJ

 *
 ACQUISITION DATE: 18JUN80 2347:56 * FWHM(1332) 2.004
 PRESET TIME (LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NMR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY:NUCL.LIBJ
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	11.	12.	12.	11.	22.	11.	20.	29.	34.
1018:	36.	46.	74.	145.	127.	167.	179.	109.	59.
1027:	38.	25.	11.	8.	11.	15.	10.	8.	11.

% COPPER 511.00 KEV 01.0017

1117:	15.	13.	20.	19.	13.	13.	21.	20.	26.
1126:	59.	209.	597.	944.	793.	272.	65.	7.	21.
1135:	6.	16.	6.	9.	5.	10.	9.	7.	8.

% ANTIMONY 564.00 KEV 01.0122

1301:	5.	11.	8.	6.	9.	13.	10.	4.	6.
1310:	10.	10.	6.	11.	10.	10.	11.	10.	14.
1319:	8.	7.	11.	11.	11.	6.	6.	11.	9.

% ARSENIC 657.40 KEV <01.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	83.	777.	0.0017	0.0001	4.0
% ANTIMONY	564.1	62.	2877.	0.0122	0.0002	1.9
% ARSENIC	657.4	46.	9.	< 6.3857E-04		NOT DETECTABLE

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01036K-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13899.00 UNITS: UG
 SAMPLE GEOMETRY: K13 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 18JUN80 2358:10 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	14.	16.	12.	17.	11.	15.	10.	20.	24.
1018:	29.	28.	87.	135.	153.	180.	136.	100.	60.
1027:	37.	24.	15.	17.	7.	10.	9.	11.	14.

% COPPER 511.00 KEV 0.0016

1117:	11.	20.	19.	18.	15.	29.	17.	21.	34.
1126:	52.	216.	605.	1033.	771.	266.	51.	10.	9.
1135:	7.	9.	13.	9.	11.	4.	11.	10.	12.

% ANTIMONY 564.09 KEV 0.0118

1301:	4.	8.	9.	9.	15.	9.	8.	6.	4.
1310:	7.	7.	9.	7.	5.	12.	13.	11.	6.
1319:	7.	13.	6.	10.	9.	13.	7.	9.	7.

% ARSENIC 657.40 KEV < 0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	86.	768.	0.0016	0.0001	4.0
% ANTIMONY	564.1	78.	2916.	0.0118	0.0002	1.9
% ARSENIC	657.4	49.	-1.	< 6.2671E-04	NOT DETECTABLE	

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q1006L-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13428.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB3

 *
 ACQUISITION DATE: 19JUN80 8:25 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 600. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	20.	14.	10.	7.	15.	4.	10.	16.	20.
1010:	20.	54.	68.	114.	145.	160.	142.	97.	67.
1027:	42.	21.	21.	11.	18.	16.	6.	19.	8.

% COPPER 511.69 KEV 0.0016

1117:	11.	13.	16.	14.	17.	15.	16.	21.	15.
1126:	58.	217.	639.	971.	812.	289.	51.	13.	6.
1135:	5.	9.	10.	4.	7.	3.	6.	6.	10.

% ANTIMONY 564.69 KEV 0.0126

1301:	7.	4.	6.	15.	7.	7.	6.	4.	5.
1310:	10.	7.	3.	9.	9.	9.	9.	4.	6.
1319:	11.	4.	8.	7.	8.	9.	8.	7.	3.

% ARSENIC 657.46 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	69.	724.	0.0016	0.0001	4.1
% ANTIMONY	564.1	46.	2992.	0.0126	0.0002	1.9
% ARSENIC	657.4	39.	1.	< 5.8674E-04		NOT DETECTABLE

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010361-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13838.00 UNITS: UG
 SAMPLE GEOMETRY: RTX 6HR
 EFFICIENCY FILE NAME: EFF.1AR1

 *
 ACQUISITION DATE: 19JUN80 18:40 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 600. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001618 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	12.	12.	15.	26.	39.	13.	15.	15.	26.
1019:	29.	58.	76.	122.	152.	175.	139.	96.	82.
1027:	42.	24.	17.	16.	24.	11.	14.	15.	14.

* COPPER 511.04 KEV <M. 0016

1117:	13.	18.	12.	19.	17.	31.	18.	23.	33.
1126:	79.	230.	668.	1084.	789.	305.	61.	13.	17.
1135:	11.	6.	10.	8.	12.	10.	14.	12.	11.

* ANTIMONY 564.09 KEV <M. 0128

1301:	16.	8.	9.	7.	4.	7.	8.	5.	5.
1310:	11.	7.	13.	6.	9.	10.	15.	13.	8.
1319:	11.	8.	7.	10.	7.	6.	4.	6.	6.

* ARSENIC 657.40 KEV <M. 0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
* COPPER	511.0	89.	753.	0.0016	0.0001	4.1
* ANTIMONY	564.1	67.	3150.	0.0128	0.0002	1.8
* ARSENIC	657.4	34.	21.	< 5.3724E-04		NOT DETECTABLE

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010061-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12832.00 UNITS: UG
 SAMPLE GEOMETRY: RTX 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 19JUN80 28:55 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634565d KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	14.	10.	14.	12.	9.	11.	11.	19.	21.
1018:	29.	40.	65.	100.	144.	146.	142.	100.	66.
1027:	31.	31.	20.	17.	11.	21.	8.	9.	8.

% COPPER 511.04 KEV < 0.0016

1117:	9.	9.	13.	11.	13.	12.	23.	24.	20.
1126:	67.	227.	654.	1002.	765.	273.	63.	13.	12.
1135:	12.	5.	8.	10.	12.	13.	2.	10.	8.

% ANTIMONY 564.04 KEV < 0.0132

1301:	10.	6.	10.	4.	6.	11.	5.	14.	4.
1310:	4.	5.	8.	5.	4.	7.	10.	5.	4.
1319:	9.	10.	6.	8.	7.	10.	5.	10.	7.

% ARSENIC 657.44 KEV < 0.0002

UNKNOWN SAMPLE REPORT

ELEMNT	PEAK ENERGY	HKOND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	80.	683.	0.0016	0.0001	4.3
% ANTIMONY	564.1	53.	2999.	0.0132	0.0002	1.9
% ARSENIC	657.4	39.	-5.	< 6.1590E-04		NOT DETECTABLE

00510007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01007A-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12992.00 UNITS: UG
 SAMPLE GEOMETRY: RTX 6HR
 EFFICIENCY FILE NAME: FFF.TAR1

 *
 ACQUISITION DATE: 19JUN80 39:09 * FWHM(1000) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUC1.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634561d KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	17.	15.	9.	9.	19.	20.	22.	22.	23.
1018:	30.	45.	65.	142.	199.	206.	193.	124.	84.
1027:	49.	29.	17.	20.	17.	8.	21.	10.	7.

% COPPER 511.04 KEV 0.0021

1117:	23.	15.	26.	24.	22.	21.	12.	39.	65.
1126:	114.	462.	1337.	2237.	1732.	618.	118.	16.	10.
1135:	15.	8.	11.	16.	9.	6.	7.	5.	13.

% ANTIMONY 564.04 KEV 0.0285

1301:	7.	3.	8.	2.	6.	6.	5.	7.	5.
1310:	6.	4.	5.	7.	7.	9.	7.	7.	7.
1319:	8.	7.	7.	9.	6.	10.	4.	3.	10.

% ARSENIC 657.40 KEV < 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	101.	912.	0.0021	0.0001	3.7
% ANTIMONY	564.1	74.	6545.	0.0285	0.0004	1.3
% ARSENIC	657.4	29.	9.	< 5.3307E-04	NOT DETECTABLE	

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01007A-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12705.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 19JUN80 49:24 * FWHM(1332) 2.004
 PRESET TIME (LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	13.	7.	16.	18.	14.	12.	18.	21.	22.
1010:	44.	42.	85.	132.	172.	198.	183.	124.	87.
1027:	44.	36.	27.	19.	19.	19.	21.	16.	17.

% COPPER 511.04 KEV < 0.0021

1117:	14.	28.	20.	29.	21.	32.	27.	40.	63.
1126:	145.	462.	1387.	2092.	1681.	546.	108.	16.	9.
1135:	8.	2.	6.	10.	9.	7.	4.	7.	14.

% ANTIMONY 564.09 KEV < 0.0283

1301:	7.	6.	8.	4.	5.	8.	6.	4.	8.
1310:	6.	6.	10.	6.	11.	5.	13.	6.	5.
1319:	4.	9.	7.	4.	17.	10.	11.	13.	6.

% ARSENIC 657.40 KEV < 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	104.	878.	0.0021	0.0001	3.8
% ANTIMONY	564.1	77.	6344.	0.0283	0.0004	1.3
% ARSENIC	657.4	43.	2.	< 6.6028E-04	NOT DETECTABLE	

00610007 RE CV

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01007A-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12610.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.TAR1

 *
 ACQUISITION DATE: 19JUN80 59:37 * FWHM(1002) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUC1.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 0.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	12.	20.	9.	18.	28.	15.	25.	20.	16.
1018:	30.	60.	71.	134.	181.	203.	149.	129.	86.
1027:	39.	29.	17.	14.	14.	25.	17.	10.	13.

% COPPER 511.00 KEV 0.0021

1117:	18.	18.	19.	29.	26.	21.	27.	41.	54.
1126:	124.	490.	1387.	2087.	1685.	577.	106.	16.	7.
1135:	10.	4.	6.	2.	8.	6.	11.	12.	6.

% ANTIMONY 564.09 KEV 0.0289

1301:	4.	5.	8.	6.	3.	6.	4.	6.	4.
1310:	5.	13.	4.	10.	7.	6.	6.	8.	5.
1319:	1.	4.	6.	5.	5.	7.	4.	4.	5.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	95.	859.	0.0021	0.0001	3.0
% ANTIMONY	564.1	57.	6399.	0.0289	0.0004	1.3
% ARSENIC	657.4	27.	12.	< 5.360E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 9:10:06 AM *****

00610007 KF 07

SAMPLE DATE: 18JUN80 900:00
 SAMPLE IDENTIFICATION: 01037F-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13442.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AR3

 *
 ACQUISITION DATE: 19JUN80 109:52 * FWHM(1332) 2.004
 OFFSET TIME(LIVE): 500. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 500. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1326:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	49.	42.	45.	38.	41.	38.	46.	51.	35.
1018:	73.	95.	123.	157.	271.	277.	227.	196.	133.
1027:	80.	63.	50.	49.	38.	30.	44.	37.	26.

% COPPER 511.04 KEV 0.0025

1117:	80.	132.	208.	178.	138.	134.	153.	178.	262.
1126:	607.	2304.	6683.	10766.	8349.	2894.	493.	38.	20.
1135:	16.	15.	9.	16.	15.	11.	17.	23.	10.

% ANTIMONY 564.04 KEV 0.1344

1301:	11.	12.	10.	9.	14.	8.	8.	16.	10.
1310:	9.	10.	6.	11.	20.	16.	21.	16.	11.
1319:	7.	12.	12.	14.	9.	5.	11.	12.	12.

% ARSENIC 657.44 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	279.	1105.	0.0025	0.0001	3.7
% ANTIMONY	564.1	186.	31710.	0.1344	0.0008	0.6
% ARSENIC	657.4	52.	32.	< 6.8707E-04		NOT DETECTABLE

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010037R-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10906.00 UNITS: UG
 SAMPLE GEOMETRY: MT3 6HR
 EFFICIENCY FILE NAME: FFF.TAR3

 *
 ACQUISITION DATE: 19JUN80 120:10 * FWHM(1000) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NR ITERATIONS: 10.
 *

 *
 DETECTOR: GELT-15A * LIBRARY: NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	62.	53.	39.	35.	42.	49.	53.	54.	68.
1018:	82.	101.	161.	184.	266.	274.	245.	212.	137.
1027:	79.	61.	62.	42.	39.	32.	40.	51.	43.

% COPPER 511.04 KEV 0.0026

1117:	106.	129.	183.	196.	125.	122.	135.	170.	279.
1126:	614.	2415.	6980.	11303.	8617.	3124.	483.	50.	17.
1135:	17.	21.	16.	11.	18.	12.	17.	21.	11.

% ANTIMONY 564.09 KEV 0.1371

1301:	12.	10.	7.	6.	16.	10.	12.	7.	6.
1310:	7.	12.	17.	11.	14.	29.	28.	15.	16.
1319:	14.	7.	8.	13.	16.	10.	6.	10.	16.

% ARSENIC 657.40 KEV 0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	291.	1188.	0.0026	0.0001	3.5
%-ANTIMONY	564.1	178.	33396.	0.1371	0.0008	0.6
%-ARSENIC	657.4	52.	47.	0.6559E-04	2.2642E-04	26.2

00010007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01037B-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14621.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 CHR
 EFFICIENCY FILE NAME: FFF.TAB1

 *
 ACQUISITION DATE: 19JUN80 120:29 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001838 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	50.	55.	65.	40.	63.	56.	53.	43.	53.
1018:	84.	99.	168.	202.	241.	290.	287.	212.	133.
1027:	84.	58.	42.	35.	37.	47.	37.	32.	38.

% COPPER 511.04 KEV 0.0026

1117:	96.	133.	206.	167.	142.	145.	159.	160.	249.
1126:	541.	2111.	6620.	11286.	9367.	3612.	703.	64.	19.
1135:	14.	19.	14.	15.	19.	14.	16.	16.	13.

% ANTIMONY 564.09 KEV 0.1331

1301:	15.	14.	18.	10.	16.	6.	5.	9.	17.
1310:	8.	11.	5.	17.	27.	20.	15.	10.	14.
1319:	12.	8.	11.	10.	8.	9.	11.	6.	16.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	316.	1217.	0.0026	0.0001	3.5
% ANTIMONY	564.1	189.	34051.	0.1331	0.0007	0.6
% ARSENIC	657.4	54.	35.	< 6.4894E-04		NOT DETECTABLE

 ***** 19 JUN 1980 9:13:08 AM *****

00510007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010370-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14687.00 UNITS. UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1ARJ

 *
 ACQUISITION DATE: 19JUN80 140:48 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIBJ
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001618 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	24.	23.	13.	25.	31.	31.	22.	29.	24.
1018:	37.	59.	76.	110.	139.	147.	150.	129.	72.
1027:	45.	29.	20.	20.	13.	15.	19.	18.	16.

% COPPER 511.00 KEV 0.0014

1117:	47.	40.	44.	66.	60.	55.	64.	68.	118.
1126:	207.	731.	2493.	4650.	4174.	1759.	347.	39.	10.
1135:	9.	13.	15.	4.	10.	5.	10.	8.	4.

% ANTIMONY 564.09 KEV 0.0556

1301:	7.	7.	10.	7.	8.	8.	9.	8.	5.
1310:	13.	6.	4.	5.	5.	7.	11.	7.	11.
1319:	10.	6.	7.	6.	4.	14.	9.	10.	11.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	HKOND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	163.	660.	0.0014	0.0001	4.8
% ANTIMONY	564.1	105.	14256.	0.0556	0.0005	0.9
% ARSENIC	657.4	42.	-0.	< 5.7478E-04	NOT DETECTABLE	

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010070-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14137.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 19JUN80 151:02 * FWHM(DK2) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 600. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOFRANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	34.	22.	18.	21.	26.	28.	16.	32.	25.
1010:	28.	50.	70.	82.	129.	137.	126.	102.	57.
1027:	50.	43.	29.	22.	26.	24.	16.	20.	22.

% COPPER 511.64 KEV 0.0012

1117:	33.	57.	47.	61.	64.	58.	59.	71.	91.
1126:	202.	687.	2268.	4296.	3696.	1681.	327.	40.	15.
1135:	3.	8.	13.	13.	6.	3.	9.	4.	8.

% ANTIMONY 564.09 KEV 0.0530

1301:	7.	9.	16.	13.	4.	12.	11.	11.	8.
1310:	7.	6.	5.	6.	7.	11.	13.	11.	10.
1319:	10.	2.	7.	7.	10.	13.	7.	3.	8.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	151.	553.	0.0012	0.0001	5.3
% ANTIMONY	564.1	91.	13066.	0.0530	0.0005	0.9
% ARSENIC	657.4	47.	5.	< 6.2515E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 19 JUN 1980 9:15:09 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q103/C-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15776.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 201:17 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	25.	20.	19.	26.	26.	18.	32.	30.	29.
1018:	34.	41.	61.	87.	128.	136.	137.	128.	75.
1027:	39.	27.	28.	27.	25.	33.	26.	15.	28.

% COPPER 511.00 KEV 0.0012

1117:	24.	35.	46.	57.	48.	43.	80.	78.	107.
1126:	231.	780.	2419.	4536.	4090.	1630.	344.	39.	4.
1135:	10.	12.	16.	8.	13.	1.	11.	10.	16.

% ANTIMONY 564.09 KEV 0.0508

1301:	5.	4.	7.	10.	4.	7.	9.	2.	6.
1310:	14.	8.	9.	3.	5.	7.	7.	9.	8.
1319:	6.	8.	9.	3.	6.	9.	8.	13.	11.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
---------	-------------	-------	------	-----------	---------------	--------

%-COPPER	511.0	151.	602.	0.0012	0.0001	5.0
%-ANTIMONY	564.1	97.	13933.	0.0508	0.0004	0.9
%-ARSENIC	657.4	36.	-4.	< 5.0275E-04	NOT DETECTABLE	

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q103/D-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13918.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 211:32 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	45.	41.	42.	28.	41.	49.	50.	33.	49.
1018:	59.	69.	106.	165.	208.	248.	233.	159.	124.
1027:	70.	59.	49.	43.	33.	29.	38.	30.	24.

% COPPER 511.00 KEV 0.0024

1117:	60.	87.	147.	153.	87.	97.	104.	146.	178.
1126:	433.	1411.	4476.	8552.	7443.	3244.	661.	60.	15.
1135:	13.	14.	12.	16.	13.	12.	17.	13.	13.

% ANTIMONY 564.09 KEV 0.1079

1301:	13.	7.	8.	10.	8.	12.	9.	8.	7.
1310:	9.	7.	9.	6.	7.	15.	23.	12.	10.
1319:	8.	9.	6.	9.	8.	9.	7.	9.	10.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	216.	1027.	0.0024	0.0001	3.7
%-ANTIMONY	564.1	134.	26086.	0.1079	0.0007	0.6
%-ARSENIC	657.4	44.	24.	< 6.2821E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 19 JUN 1980 9:17:04 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q103/D-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13877.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 221:51 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	31.	45.	37.	42.	41.	51.	55.	58.	70.
1018:	41.	82.	113.	166.	207.	251.	218.	178.	118.
1027:	84.	49.	54.	35.	36.	30.	35.	38.	36.

% COPPER 511.00 KEV 0.0023

1117:	66.	118.	123.	151.	122.	82.	132.	166.	198.
1126:	400.	1428.	4976.	9045.	8015.	3452.	704.	69.	15.
1135:	16.	16.	12.	9.	13.	16.	27.	14.	15.

% ANTIMONY 564.09 KEV 0.1157

1301:	14.	9.	6.	14.	11.	11.	12.	11.	18.
1310:	19.	13.	9.	14.	16.	17.	24.	18.	9.
1319:	12.	12.	6.	9.	9.	12.	10.	8.	9.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	267.	984.	0.0023	0.0001	4.0
%-ANTIMONY	564.1	183.	27837.	0.1157	0.0007	0.6
%-ARSENIC	657.4	50.	40.	7.4900E-04	2.2324E-04	29.8

 ***** 19 JUN 1980 9:17:59 AM *****

00610007 RF 07

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01007D-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12806.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.1AM3

 *
 ACQUISITION DATE: 19JUN80 232:09 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634565d KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	44.	38.	46.	37.	48.	35.	46.	48.	40.
1018:	56.	68.	113.	152.	218.	237.	229.	163.	118.
1027:	96.	55.	52.	48.	26.	40.	39.	39.	28.

X COPPER 511.00 KEV 0.0024

1117:	85.	116.	157.	140.	112.	118.	106.	140.	226.
1126:	396.	1461.	4694.	8996.	8083.	1563.	690.	71.	22.
1135:	16.	16.	15.	19.	12.	10.	13.	20.	12.

X ANTIMONY 564.00 KEV 0.1159

1301:	13.	10.	10.	9.	8.	9.	12.	9.	15.
1310:	12.	6.	13.	14.	19.	29.	20.	7.	16.
1319:	12.	10.	16.	11.	15.	19.	14.	6.	20.

X ARSENIC 657.40 KEV 0.0000

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
X-COPPER	511.0	232.	998.	0.0024	0.0001	3.8
X-ANTIMONY	564.1	189.	27694.	0.1159	0.0007	0.6
X-ARSENIC	657.4	56.	39.	7.5626E-04	2.3496E-04	31.1

00610007 RF NY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01037F-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13665.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HK
 EFFICIENCY FILE NAME: EFF.TAR3

 *
 ACQUISITION DATE: 19JUN80 242:28 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GEL1-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	37.	41.	34.	34.	28.	47.	43.	44.	47.
1018:	60.	69.	89.	156.	208.	236.	225.	137.	115.
1027:	78.	62.	48.	36.	37.	32.	34.	29.	33.

% COPPER 511.00 KEV 0.0022

1117:	61.	100.	149.	138.	99.	91.	126.	143.	191.
1126:	372.	1431.	4486.	8365.	7304.	3197.	609.	58.	22.
1135:	12.	12.	11.	18.	9.	7.	11.	11.	14.

% ANTIMONY 564.09 KEV 0.1069

1301:	15.	13.	5.	13.	14.	6.	7.	11.	8.
1310:	11.	16.	17.	9.	17.	15.	14.	15.	13.
1319:	7.	8.	5.	12.	6.	9.	11.	5.	5.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	235.	931.	0.0022	0.0001	4.0
% ANTIMONY	564.1	157.	25607.	0.1069	0.0007	0.6
% ARSENIC	657.4	47.	23.	< 6.6241E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 9:20:03 AM *****

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01007E-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12616.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HK
 EFFICIENCY FILE NAME: FFF.TAM1

 *
 ACQUISITION DATE: 19JUN80 252:46 * FWHM(1332) 2.004
 OFFSET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NPK ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUCL. LIB.
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634565d KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	32.	37.	32.	45.	38.	35.	43.	41.	60.
1018:	39.	79.	90.	137.	219.	191.	231.	170.	97.
1027:	64.	50.	35.	43.	38.	36.	30.	28.	39.

% COPPER 511.48 KEV 0.0022

1117:	67.	83.	129.	138.	130.	89.	99.	113.	176.
1126:	356.	1278.	4136.	8136.	7418.	3288.	730.	77.	19.
1135:	22.	10.	12.	16.	12.	16.	9.	13.	17.

% ANTIMONY 564.09 KEV 0.1073

1301:	10.	14.	6.	19.	8.	12.	12.	5.	12.
1310:	12.	9.	12.	5.	12.	15.	18.	12.	12.
1319:	11.	13.	7.	11.	5.	9.	11.	13.	8.

% ARSENIC 657.49 KEV < 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	249.	886.	0.0022	0.0001	4.2
% ANTIMONY	564.1	155.	25187.	0.1073	0.0007	0.6
% ARSENIC	657.4	54.	15.	< 7.2247E-04		NOT DETECTABLE

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01037E-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13803.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB3

 *
 ACQUISITION DATE: 19JUN80 303:05 * PWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUCL. LIB3
 DATE CALIBRATED: 18JUN80 1126:30 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	32.	33.	33.	32.	43.	37.	44.	48.	42.
1018:	42.	66.	98.	155.	202.	229.	195.	175.	107.
1027:	54.	50.	38.	28.	34.	28.	33.	36.	40.

% COPPER 511.00 KEV 0.0023

1117:	69.	107.	148.	146.	103.	102.	113.	117.	182.
1126:	378.	1345.	4303.	8206.	7308.	3224.	636.	75.	14.
1135:	6.	14.	6.	12.	13.	13.	11.	14.	12.

% ANTIMONY 564.00 KEV 0.1064

1301:	7.	10.	12.	4.	9.	16.	4.	11.	11.
1310:	10.	9.	11.	10.	16.	19.	11.	15.	10.
1319:	9.	9.	9.	10.	9.	18.	11.	5.	7.

% ARSENIC 657.40 KEV < 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	228.	923.	0.0023	0.0001	4.0
% ANTIMONY	564.1	140.	25260.	0.1064	0.0007	0.6
% ARSENIC	657.4	52.	19.	< 7.0352E-04	NOT DETECTABLE	

00610007 RF NY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010037F-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12581.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.1AB1

 *
 ACQUISITION DATE: 19JUN80 313:24 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUCL. LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001808 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634565d KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	38.	32.	29.	29.	33.	39.	38.	45.	45.
1018:	48.	69.	90.	164.	200.	196.	235.	159.	115.
1027:	76.	40.	38.	40.	35.	18.	26.	34.	26.

% COPPER 511.00 KEV 0.0024

1117:	47.	88.	158.	140.	122.	116.	125.	125.	179.
1126:	378.	1432.	4713.	8562.	7941.	3349.	687.	93.	13.
1135:	13.	9.	11.	11.	13.	14.	12.	16.	14.

% ANTIMONY 564.00 KEV 0.1245

1301:	6.	7.	12.	10.	7.	13.	16.	9.	9.
1310:	8.	7.	15.	9.	19.	15.	16.	10.	12.
1319:	5.	10.	8.	10.	6.	10.	11.	4.	7.

% ARSENIC 657.40 KEV < 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	263.	897.	0.0024	0.0001	4.2
% ANTIMONY	564.1	151.	26911.	0.1245	0.0008	0.6
% ARSENIC	657.4	45.	29.	< 7.2503E-04		NOT DETECTABLE

 ***** 19 JUN 1980 9:23:07 AM *****

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLe IDENTIFICATION: 09007F-2
 TYPE OF SAMPLe: UNKNOWN
 SAMPLe QUANTITY: 13206.00 UNITS: UG
 SAMPLe GEOMETRY: R13 6HR
 EFFICIENCY FILE NAME: EFF.1AR0

 *
 ACQUISITION DATE: 18JUN80 323:43 * FWHM(DKSP) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY: NUC1.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	43.	42.	40.	42.	38.	32.	38.	43.	44.
1018:	45.	70.	104.	163.	185.	216.	211.	185.	107.
1027:	88.	59.	44.	48.	32.	43.	37.	25.	36.

% COPPER 511.04 KEV 0.0024

1117:	73.	110.	152.	127.	133.	104.	119.	137.	183.
1126:	395.	1403.	4731.	8917.	8176.	3618.	781.	90.	13.
1135:	17.	10.	10.	20.	11.	13.	11.	12.	9.

% ANTIMONY 564.09 KEV 0.1231

1301:	6.	17.	17.	15.	12.	9.	10.	11.	7.
1310:	12.	8.	12.	7.	12.	17.	22.	17.	12.
1319:	8.	5.	11.	5.	11.	10.	9.	9.	9.

% ARSENIC 657.40 KEV <0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	249.	922.	0.0024	0.0001	4.1
%-ANTIMONY	564.1	156.	27865.	0.1231	0.0008	0.6
%-ARSENIC	657.4	57.	23.	< 7.7427E-04		NOT DETECTABLE

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01037F-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13541.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB3

 *
 ACQUISITION DATE: 19JUN80 334:03 * FMHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.11B1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL : 0.5000818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	41.	32.	48.	35.	33.	41.	38.	51.	53.
1018:	59.	65.	102.	160.	168.	204.	191.	140.	120.
1027:	83.	65.	39.	45.	39.	26.	41.	37.	40.

% COPPER 511.04 KEV 0.0021

1117:	69.	101.	157.	147.	132.	102.	124.	146.	208.
1126:	397.	1366.	4462.	8523.	7988.	3585.	741.	91.	19.
1135:	12.	13.	18.	5.	12.	12.	13.	7.	13.

% ANTIMONY 564.09 KEV 0.1161

1301:	13.	8.	13.	7.	13.	8.	13.	8.	12.
1310:	7.	10.	10.	7.	17.	16.	14.	13.	15.
1319:	6.	14.	9.	14.	4.	8.	8.	7.	9.

% ARSENIC 657.40 KEV < 6.8004E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	251.	834.	0.0021	0.0001	4.4
% ANTIMONY	564.1	152.	26910.	0.1161	0.0007	0.6
% ARSENIC	657.4	45.	30.	< 6.8004E-04		NOT DETECTABLE

 ***** 19 JUN 1980 9:25:08 AM *****

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010370-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12738.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AR3

 *
 ACQUISITION DATE: 19JUN80 344:20 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHARP PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GEL1-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	38.	35.	37.	40.	37.	31.	30.	47.	49.
1010:	57.	45.	71.	131.	192.	192.	203.	150.	105.
1027:	71.	55.	39.	36.	29.	36.	27.	34.	26.

% COPPER 511.04 KEV 0.0023

1117:	61.	90.	129.	150.	110.	92.	126.	134.	179.
1126:	322.	1134.	3926.	7649.	7482.	3367.	720.	71.	10.
1135:	14.	6.	8.	12.	9.	12.	6.	13.	9.

% ANTIMONY 564.09 KEV 0.1125

1301:	6.	7.	9.	3.	11.	5.	8.	8.	5.
1310:	8.	7.	9.	10.	20.	20.	20.	11.	8.
1319:	4.	7.	9.	5.	8.	8.	6.	10.	11.

% ARSENIC 657.40 KEV 0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	213.	831.	0.0023	0.0001	4.3
%-ANTIMONY	564.1	122.	24478.	0.1125	0.0007	0.7
%-ARSENIC	657.4	36.	45.	9.6387E-04	2.3181E-04	24.1

00610007 RF 04

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010370-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14639.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB3

 *
 ACQUISITION DATE: 19JUN80 154:39 * FWHM(1332) 2.004
 OFFSET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL : 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	33.	27.	37.	29.	37.	37.	36.	53.	43.
1010:	59.	54.	109.	167.	215.	234.	195.	142.	133.
1027:	83.	65.	41.	44.	29.	26.	27.	35.	34.

% COPPER 511.00 KEV 0.0023

1117:	71.	113.	137.	144.	144.	113.	112.	154.	195.
1126:	388.	1430.	4765.	8801.	8280.	3623.	724.	82.	18.
1135:	18.	12.	14.	10.	10.	8.	6.	12.	19.

% ANTIMONY 564.00 KEV 0.1117

1301:	8.	7.	17.	8.	4.	11.	11.	7.	8.
1310:	13.	14.	10.	7.	11.	19.	18.	17.	15.
1319:	8.	12.	12.	14.	8.	2.	10.	12.	8.

% ARSENIC 657.00 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	232.	963.	0.0023	0.0001	3.9
% ANTIMONY	564.1	158.	27884.	0.1117	0.0007	0.6
% ARSENIC	657.4	47.	34.	< 6.4441E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 9:27:09 AM *****

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: Q1037G-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15097.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

 *
 ACQUISITION DATE: 19JUN80 404:56 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	38.	42.	32.	50.	39.	38.	29.	42.	58.
1018:	62.	76.	110.	174.	191.	209.	225.	173.	145.
1027:	87.	66.	43.	41.	46.	34.	36.	39.	21.

% COPPER 511.04 KEV 0.0023

1117:	65.	101.	166.	164.	145.	108.	111.	154.	223.
1126:	422.	1536.	4985.	9369.	8722.	3835.	815.	112.	21.
1135:	10.	17.	16.	17.	17.	9.	16.	12.	11.

% ANTIMONY 564.04 KEV 0.1150

1301:	15.	10.	11.	9.	6.	13.	16.	6.	11.
1310:	12.	7.	15.	12.	14.	18.	25.	11.	15.
1319:	9.	9.	12.	5.	8.	12.	10.	6.	8.

% ARSENIC 657.40 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	263.	965.	0.0023	0.0001	4.0
%-ANTIMONY	564.1	157.	29547.	0.1150	0.0007	0.6
%-ARSENIC	657.4	45.	39.	7.1124E-04	2.0721E-04	29.1

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01037H-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 17299.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAR1

 *
 ACQUISITION DATE: 19JUN80 415:15 * FWHM(1332) 2.004
 PRESET TIME (LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634565d. KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	18.	14.	20.	13.	19.	18.	27.	31.	28.
1018:	39.	53.	81.	137.	191.	199.	217.	160.	136.
1027:	66.	35.	31.	20.	13.	20.	17.	18.	16.

% COPPER 511.00 KEV 0.0021

1117:	22.	27.	31.	27.	22.	30.	35.	50.	74.
1126:	141.	450.	1578.	2789.	2678.	1179.	249.	24.	14.
1135:	9.	13.	5.	7.	11.	7.	11.	14.	11.

% ANTIMONY 564.00 KEV 0.0006

1301:	8.	8.	7.	9.	8.	8.	13.	5.	5.
1310:	4.	10.	5.	6.	5.	7.	13.	10.	10.
1319:	8.	10.	5.	12.	8.	6.	7.	5.	4.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
X-COPPER	511.0	130.	992.	0.0021	0.0001	3.6
X-ANTIMONY	564.1	75.	8989.	0.0006	0.0003	1.1
X-ARSENIC	657.4	39.	6.	< 5.0759E-04	NOT DETECTABLE	

 ***** 19 JUN 1980 9:29:10 AM *****

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01037H-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 17740.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1ARJ

 *
 ACQUISITION DATE: 19JUN80 425:30 * FWHM(132) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAFT PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	10.	14.	26.	21.	15.	23.	16.	21.	24.
1018:	28.	42.	101.	153.	189.	242.	228.	162.	129.
1027:	63.	42.	28.	25.	17.	21.	14.	14.	21.

% COPPER 511.00 KEV 0.0022

1117:	30.	23.	41.	45.	29.	39.	46.	57.	85.
1126:	145.	475.	1686.	3138.	2846.	1269.	264.	41.	9.
1135:	9.	6.	12.	9.	5.	8.	7.	10.	6.

% ANTIMONY 564.00 KEV 0.0024

1301:	4.	11.	8.	9.	8.	6.	6.	9.	12.
1310:	10.	7.	9.	11.	10.	12.	4.	14.	7.
1319:	9.	12.	9.	7.	9.	6.	7.	9.	8.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	142.	1062.	0.0022	0.0001	3.5
% ANTIMONY	564.1	87.	9736.	0.0024	0.0003	1.0
% ARSENIC	657.4	40.	7.	< 5.000E-04	NOT DETECTABLE	

00610007 RF 04

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01007H-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 18284.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AB3

 *
 ACQUISITION DATE: 19JUN80 435:45 * PWHM(100%) 2.004
 OFFSET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAFT PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5000000 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345650 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	14.	19.	19.	26.	22.	21.	21.	24.	24.
1018:	31.	57.	102.	141.	198.	262.	222.	189.	116.
1027:	65.	38.	21.	24.	20.	21.	16.	17.	19.

Z COPPER 511.00 KEV 0.0000

1117:	20.	25.	29.	28.	22.	42.	58.	46.	78.
1126:	141.	521.	1700.	3049.	2912.	1306.	315.	44.	12.
1135:	8.	12.	8.	12.	11.	11.	6.	6.	3.

Z ANTIMONY 564.00 KEV 0.0000

1301:	9.	8.	10.	5.	10.	5.	5.	7.	9.
1310:	10.	4.	2.	7.	11.	6.	10.	12.	7.
1319:	8.	6.	6.	5.	8.	6.	12.	4.	6.

Z ARSENIC 657.00 KEV <0.0000

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
Z-COPPER	511.0	130.	1100.	0.0022	0.0001	2.4
Z-ANTIMONY	564.1	83.	9662.	0.0019	0.0003	1.0
Z-ARSENIC	657.4	27.	11.	< 4.7005E-04	NOT DETECTABLE	

00510007 RT 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010071-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15007.00 UNITS: UG
 SAMPLE GEOMETRY: RTZ 6HR
 EFFICIENCY FILE NAME: FFF.TAR1

 *
 ACQUISITION DATE: 19JUN80 446:00 * FUNCTION: 2.004
 OFFSET TIME (IVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED RFAL TIME: 604. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUC1.LIB
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TO RANGE: 2.000KV
 KEV/CHNL: 0.5000838 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345650 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	38.	37.	39.	49.	34.	39.	36.	41.	46.
1018:	49.	77.	106.	140.	195.	221.	209.	163.	103.
1027:	76.	70.	42.	38.	40.	27.	30.	43.	31.

% COPPER 511.04 KEV 0.0022

1117:	56.	94.	145.	158.	122.	100.	145.	152.	177.
1126:	347.	1276.	4445.	8630.	8283.	3783.	796.	89.	14.
1135:	8.	13.	9.	12.	16.	16.	7.	10.	9.

% ANTIMONY 564.05 KEV 0.1075

1201:	10.	14.	15.	8.	10.	12.	6.	7.	10.
1210:	13.	12.	5.	9.	17.	17.	16.	18.	13.
1319:	7.	8.	12.	4.	7.	4.	7.	10.	14.

% ARSENIC 657.44 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	253.	984.	0.0022	0.0001	4.2
% ANTIMONY	564.1	166.	27299.	0.1075	0.0007	0.6
% ARSENIC	657.4	46.	35.	6.5962E-04	2.0905E-04	31.7

 ***** 19 JUN 1980 9:32:19 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 900:00
 SAMPLE IDENTIFICATION: 010071-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15456.00 UNITS: UG
 SAMPLE GEOMETRY: K1X 6HR
 EFFICIENCY FILE NAME: FFF.TAR1

 *
 ACQUISITION DATE: 18JUN80 456:19 * FWHM(132) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NRK ITERATIONS. 10.
 *

 *
 DETECTOR: GHI1-15A * LIBRARY: NUCL. LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TO CHANNEL: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	40.	41.	43.	44.	40.	52.	48.	36.	43.
1018:	41.	76.	108.	169.	221.	238.	252.	160.	120.
1027:	64.	50.	48.	44.	29.	41.	27.	37.	33.

% COPPER 511.00 KEV 0.0024

1117:	67.	105.	139.	133.	132.	108.	147.	159.	226.
1126:	390.	1461.	4657.	9043.	8486.	3768.	810.	101.	35.
1135:	12.	16.	17.	21.	14.	16.	16.	16.	17.

% ANTIMONY 564.00 KEV 0.1091

1301:	12.	11.	8.	9.	6.	14.	7.	9.	8.
1310:	11.	8.	17.	13.	14.	14.	19.	10.	13.
1319:	7.	19.	14.	10.	9.	8.	11.	7.	9.

% ARSENIC 657.40 KEV < 0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND	AREA	CONCENTR.	1 SIGMA ERROR	% ERROR
% COPPER	511.0	284.	985.	0.0024	0.0001	4.0
% ANTIMONY	564.1	173.	28442.	0.1091	0.0007	0.6
% ARSENIC	657.4	47.	31.	< 6.2710E-04	NOT DETECTABLE	

00610007 RF QY

SAMPLE DATE: 18JUN88 901:00
 SAMPLE IDENTIFICATION: 000071-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15800.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6MM
 EFFICIENCY FILE NAME: EFF.TAR1

 *
 ACQUISITION DATE: 19JUN88 506:38 * FWHM(X%) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NR ITERATIONS: 10.
 *

 *
 DETECTOR: GELT-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN88 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHN1 : 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345653 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	44.	40.	40.	36.	47.	35.	45.	38.	51.
1018:	43.	64.	117.	161.	216.	235.	203.	186.	126.
1027:	62.	59.	47.	46.	27.	41.	45.	34.	39.

X COPPER 511.00 KEV 0.0023

1117:	82.	117.	152.	178.	128.	100.	117.	165.	226.
1126:	424.	1572.	5149.	9365.	8882.	3944.	775.	108.	19.
1135:	17.	14.	18.	10.	9.	18.	23.	19.	13.

X ANTIMONY 564.00 KEV 0.1125

1301:	14.	8.	6.	8.	11.	13.	9.	10.	8.
1310:	16.	8.	9.	10.	11.	19.	18.	15.	9.
1319:	14.	10.	8.	9.	13.	11.	14.	9.	10.

X ARSENIC 657.40 KEV < 0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTN.	1 SIGMA ERROR	%ERROR
X-COPPER	511.0	281.	963.	0.0023	0.0001	4.1
X-ANTIMONY	564.1	176.	29935.	0.1125	0.0007	0.6
X-ARSENIC	657.4	51.	22.	< 6.4295E-04		NOT DETECTABLE

00610007 RF 04

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010073-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.823.00 UNITS: UG
 SAMPLE GEOMETRY: K13 6HR
 EFFICIENCY FILE NAME: EFF.1AR1

 *
 ACQUISITION DATE: 19JUN80 506:57 * FWHM(133P) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHUTTLE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NRK ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5000818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	59.	59.	43.	48.	39.	30.	43.	52.	51.
1018:	71.	73.	108.	141.	227.	242.	269.	187.	118.
1027:	78.	55.	56.	28.	38.	35.	24.	43.	33.

% COPPER 511.00 KEV 01.0029

1117:	86.	136.	171.	184.	161.	117.	122.	168.	219.
1126:	425.	1568.	4943.	10066.	9908.	4620.	1023.	121.	21.
1135:	18.	12.	16.	28.	8.	13.	18.	14.	16.

% ANTIMONY 564.00 KEV 01.1395

1301:	14.	7.	10.	10.	8.	8.	12.	5.	8.
1310:	9.	7.	9.	12.	11.	20.	16.	11.	13.
1319:	6.	11.	7.	10.	12.	6.	14.	13.	11.

% ARSENIC 657.00 KEV 01.0000

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	260.	1002.	0.0029	0.0001	3.8
%-ANTIMONY	564.1	150.	32403.	0.1395	0.0008	0.6
%-ARSENIC	657.4	49.	22.	< 7.2486E-04		NOT DETECTABLE

00610007 RF CV

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01037J-X
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13504.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HX
 EFFICIENCY FILE NAME: FFF.1AR1

 *
 ACQUISITION DATE: 19JUN80 537:30 * FWHM(1000) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHN1 : 0.5000818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634565d KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	45.	50.	36.	37.	39.	47.	37.	39.	48.
1018:	54.	74.	107.	143.	193.	209.	213.	155.	130.
1027:	71.	53.	47.	48.	29.	39.	36.	47.	43.

% COPPER 511.00 KEV 0.0025

1117:	86.	110.	135.	181.	119.	98.	123.	162.	187.
1126:	412.	1521.	4947.	9444.	9031.	4068.	833.	120.	24.
1135:	15.	8.	14.	11.	8.	16.	12.	7.	15.

% ANTIMONY 564.00 KEV 0.1329

1301:	3.	12.	8.	11.	10.	7.	7.	9.	15.
1310:	5.	15.	17.	11.	21.	27.	17.	14.	12.
1319:	9.	10.	12.	9.	6.	11.	11.	6.	10.

% ARSENIC 657.40 KEV 0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	AKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	275.	875.	0.0025	0.0001	4.3
% ANTIMONY	564.1	197.	30059.	0.1329	0.0008	0.6
% ARSENIC	657.4	46.	47.	0.0010	0.0003	24.8

00610007 RF 0Y

SAMPLE DATE: 18JUN88 901:00
 SAMPLE IDENTIFICATION: 010037K-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12462.00 UNITS: UG
 SAMPLE GEOMETRY: KT3 6HR
 EFFICIENCY FILE NAME: FFF.1AR3

 *
 ACQUISITION DATE: 19JUN88 547:52 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN88 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001838 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	38.	30.	32.	26.	31.	41.	31.	40.	30.
1018:	56.	43.	80.	129.	148.	198.	179.	146.	110.
1027:	45.	60.	36.	40.	24.	33.	34.	22.	35.

% COPPER 511.04 KEV 0.0024

1117:	63.	98.	146.	149.	112.	105.	109.	138.	205.
1126:	356.	1245.	4242.	7933.	7687.	3636.	777.	88.	12.
1135:	11.	16.	14.	12.	17.	7.	15.	16.	9.

% ANTIMONY 564.09 KEV 0.1236

1301:	7.	10.	10.	10.	10.	7.	6.	7.	4.
1310:	5.	6.	10.	17.	11.	15.	11.	7.	13.
1319:	6.	8.	5.	11.	10.	5.	8.	10.	9.

% ARSENIC 657.40 KEV <0.0000

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	216.	774.	0.0024	0.0001	4.5
%-ANTIMONY	564.1	135.	25741.	0.1236	0.0008	0.6
%-ARSENIC	657.4	46.	18.	< 7.8764E-04	NOT DETECTABLE	

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLe IDENTIFICATION: 01007K-2
 TYPE OF SAMPLe: UNKNOWN
 SAMPLe QUANTITY: 13566.00 UNITS: UG
 SAMPLe GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AR3

 *
 ACQUISITION DATE: 19JUN80 558:10 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NR iterations: 10.
 *

 *
 DETECTOR: GFI 1-15A * LIBRARY:NUCL.11A3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	35.	31.	40.	42.	41.	38.	37.	43.	44.
1010:	42.	69.	88.	136.	224.	237.	200.	149.	94.
1027:	81.	56.	35.	41.	37.	29.	27.	49.	33.

% COPPER 511.00 KEV 0.0025

1117:	69.	94.	164.	162.	146.	116.	133.	160.	218.
1126:	416.	1526.	4895.	8989.	8203.	3430.	733.	58.	22.
1135:	21.	11.	16.	23.	13.	15.	15.	13.	15.

% ANTIMONY 564.09 KEV 0.1239

1301:	11.	9.	8.	14.	7.	14.	14.	6.	20.
1310:	8.	7.	10.	15.	13.	18.	15.	19.	13.
1319:	11.	6.	10.	9.	13.	11.	7.	9.	9.

% ARSENIC 657.40 KEV <0.0000

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	263.	865.	0.0025	0.0001	4.3
% ANTIMONY	564.1	158.	20034.	0.1239	0.0008	0.6
% ARSENIC	657.4	51.	29.	< 7.6263E-04	NOT DETECTABLE.	

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 01037K-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13744.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1AB1

 *
 ACQUISITION DATE: 19JUN80 608:29 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELJ-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	41.	38.	42.	37.	40.	48.	26.	45.	50.
1018:	62.	67.	121.	166.	205.	219.	197.	135.	99.
1027:	65.	55.	46.	29.	36.	38.	38.	35.	32.

% COPPER 511.00 KEV 0.0025

1117:	73.	128.	163.	138.	117.	88.	126.	141.	228.
1126:	535.	1949.	5546.	9237.	7418.	2823.	512.	55.	20.
1135:	21.	18.	12.	17.	7.	8.	15.	14.	17.

% ANTIMONY 564.00 KEV 0.1218

1301:	10.	7.	11.	17.	9.	7.	15.	6.	6.
1310:	8.	15.	9.	8.	13.	24.	19.	8.	10.
1319:	14.	9.	22.	9.	9.	7.	7.	18.	9.

% ARSENIC 657.40 KEV <0.0000

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	PKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	274.	868.	0.0025	0.0001	4.3
% ANTIMONY	564.1	153.	27867.	0.1218	0.0008	0.6
% ARSENIC	657.4	51.	22.	< 7.5617E-04	NOT DETECTABLE	

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLe IDENTIFICATION: 010371-1
 TYPE OF SAMPLe: UNKNOWN
 SAMPLe QUANTITY: 13442.00 UNITS: UG
 SAMPLe GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.1ABJ

 *
 ACQUISITION DATE: 19JUN80 618:48 * FWHM(1X2) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIBJ
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	33.	26.	28.	22.	28.	35.	31.	35.	47.
1010:	57.	63.	86.	135.	152.	195.	168.	117.	77.
1027:	54.	34.	33.	22.	32.	28.	26.	24.	27.

% COPPER 511.00 KEV 0.0022

1117:	57.	98.	139.	102.	111.	93.	115.	139.	192.
1126:	485.	1690.	4813.	7913.	6170.	2324.	390.	45.	18.
1135:	15.	12.	10.	9.	11.	8.	13.	7.	11.

% ANTIMONY 564.00 KEV 0.1059

1301:	10.	8.	10.	6.	9.	5.	8.	2.	13.
1310:	9.	4.	9.	10.	11.	20.	19.	12.	12.
1319:	13.	8.	6.	9.	14.	6.	13.	5.	12.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	200.	733.	0.0022	0.0001	4.6
% ANTIMONY	564.1	134.	23651.	0.1059	0.0007	0.7
% ARSENIC	657.4	43.	32.	< 7.1736E-04		NOT DETECTABLE

00610007 RF 0Y

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: 010371-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13867.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: FFF.TAR1

 *
 ACQUISITION DATE: 19JUN80 629:07 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIBJ
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001618 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634565d KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	32.	44.	27.	36.	39.	34.	48.	44.	41.
1018:	46.	82.	100.	147.	147.	204.	193.	142.	94.
1027:	56.	48.	39.	32.	37.	42.	33.	40.	34.

% COPPER 511.00 KEV 0.0023

1117:	56.	115.	134.	128.	105.	103.	122.	147.	193.
1126:	437.	1789.	5351.	8495.	6853.	2555.	467.	43.	19.
1135:	24.	12.	12.	12.	12.	9.	14.	15.	12.

% ANTIMONY 564.09 KEV 0.1121

1301:	17.	15.	12.	13.	12.	9.	9.	14.	10.
1310:	16.	9.	12.	8.	14.	14.	19.	13.	17.
1319:	9.	15.	8.	12.	6.	13.	7.	9.	12.

% ARSENIC 657.40 KEV < 7.0010E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	25d.	776.	0.0023	0.0001	4.6
% ANTIMONY	564.1	15d.	25797.	0.1121	0.0007	0.6
% ARSENIC	657.4	54.	23.	< 7.0010E-04	NOT DETECTABLE	

00610007 RF NY

SAMPLE DATE: 18JUN80 901:00
 SAMPLe IDENTIFICATION: 010371-3
 TYPE OF SAMPLe: UNKNOWN
 SAMPLe QUANTITY: 14553.00 UNITS: UG
 SAMPLe GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB3

 *
 ACQUISITION DATE: 19JUN80 639:24 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAFT PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NNR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB3
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	43.	43.	38.	43.	43.	44.	40.	34.	46.
1018:	60.	66.	100.	152.	202.	183.	215.	139.	93.
1027:	60.	62.	33.	29.	26.	44.	41.	40.	36.

% COPPER 511.68 KEV 0.0023

1117:	75.	111.	155.	136.	92.	122.	120.	159.	209.
1126:	504.	1850.	5678.	8844.	7147.	2632.	498.	54.	14.
1135:	7.	13.	16.	16.	13.	12.	9.	12.	18.

% ANTIMONY 564.09 KEV 0.1120

1301:	11.	10.	7.	7.	15.	5.	13.	6.	11.
1310:	12.	14.	9.	7.	15.	27.	16.	12.	7.
1319:	10.	9.	7.	7.	4.	6.	11.	7.	6.

% ARSENIC 657.40 KEV 0.0000

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BGND.	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
% COPPER	511.0	257.	827.	0.0023	0.0001	4.4
%-ANTIMONY	564.1	162.	26991.	0.1120	0.0007	0.6
%-ARSENIC	657.4	40.	37.	7.5924E-04	2.1862E-04	28.8

 ***** 19 JUN 1980 9:43:16 AM *****

00610007 RF QY

SAMPLE DATE: 18JUN80 901:00
 SAMPLE IDENTIFICATION: QJ036D-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 16261.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABJ

 *
 ACQUISITION DATE: 19JUN80 649:43 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 606. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

 *
 DETECTOR: GELI-15A * LIBRARY: NUCL. LIBJ
 DATE CALIBRATED: 18JUN80 1126:10 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.634565d KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	63.	67.	47.	56.	52.	56.	54.	58.	59.
1010:	65.	87.	142.	195.	296.	278.	238.	216.	120.
1027:	93.	72.	63.	45.	48.	54.	37.	37.	43.

% COPPER 511.00 KEV 0.0030

1117:	109.	169.	244.	215.	190.	147.	178.	207.	336.
1126:	744.	2800.	8360.	13357.	10506.	3795.	673.	61.	24.
1135:	27.	28.	23.	22.	19.	21.	17.	9.	16.

% ANTIMONY 564.49 KEV 0.1489

1301:	11.	7.	16.	13.	10.	14.	12.	7.	17.
1310:	13.	20.	8.	20.	32.	26.	23.	13.	9.
1319:	12.	11.	10.	11.	10.	10.	9.	5.	8.

% ARSENIC 657.40 KEV 0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1. SIGMA ERROR	%ERROR
% COPPER	511.0	320.	1165.	0.0030	0.0001	3.7
% ANTIMONY	564.1	221.	40015.	0.1489	0.0008	0.5
% ARSENIC	657.4	53.	62.	0.0011	0.0002	21.0

02

SAMPLE	SAM.WT.	%-COPPER	%-ANTIMONY	%-ARSENIC
S626A	17038.000	0.07929	0.72694	0.00308
S626B	10186.000	0.07644	0.71738	0.00308
S626C	13635.000	0.07759	0.71341	0.00224
		0.07777 AVG	0.71924 AVG	0.00280 AVG
		0.001433 SD	0.006954 SD	0.000487 SD
		1.841975 %RSD	0.966884 %RSD	17.402134 %RSD
S604A	12521.000	0.00720	1.99820	0.10062
S604B	13264.000	0.00707	1.93577	0.10145
S604C	16687.000	0.00715	1.94657	0.09829
		0.00714 AVG	1.96018 AVG	0.10014 AVG
		0.000068 SD	0.033367 SD	0.001644 SD
		0.957665 %RSD	1.702246 %RSD	1.641491 %RSD
Q1042A1	12028.000	0.00123	0.01477	< 0.00056
Q1042A2	11740.000	0.00119	0.01340	< 0.00061
Q1042A3	12532.000	0.00119	0.01390	< 0.00058
		0.00121 AVG	0.01403 AVG	0.00000 AVG
		0.000025 SD	0.000695 SD	0.000000 SD
		2.063365 %RSD	4.955494 %RSD	0.000000 %RSD
Q1042B1	10080.000	0.00461	0.09266	0.00089
Q1042B2	9484.000	0.00435	0.08870	0.00086
Q1042B3	9506.000	0.00449	0.09340	< 0.00082
		0.00449 AVG	0.09158 AVG	0.00087 AVG
		0.000130 SD	0.002526 SD	0.000057 SD
		2.895049 %RSD	2.757944 %RSD	6.505840 %RSD
Q1042C1	8941.000	0.00137	0.01406	< 0.00079
Q1042C2	9075.000	0.00132	0.01274	< 0.00080
Q1042C3	9561.000	0.00130	0.01222	< 0.00080
		0.00133 AVG	0.01300 AVG	0.00000 AVG
		0.000035 SD	0.000949 SD	0.000000 SD
		2.635058 %RSD	7.295769 %RSD	0.000000 %RSD
Q1042D1	8880.000	0.00487	0.10241	0.00148
Q1042D2	8659.000	0.00456	0.09813	< 0.00101
Q1042D3	9044.000	0.00519	0.09971	< 0.00096
		0.00487 AVG	0.10008 AVG	0.00148 AVG
		0.000313 SD	0.002166 SD	0.000000 SD
		6.430540 %RSD	2.164646 %RSD	0.000000 %RSD
Q1042E1	8759.000	0.00140	0.01648	< 0.00081
Q1042E2	8606.000	0.00139	0.01630	< 0.00080
Q1042E3	8745.000	0.00147	0.01622	< 0.00083
		0.00142 AVG	0.01633 AVG	0.00000 AVG
		0.000047 SD	0.000136 SD	0.000000 SD

Q1042F1	11688.000	0.00170	0.01701	<	0.00058
Q1042F2	11702.000	0.00163	0.01686	<	0.00061
Q1042F3	11165.000	0.00164	0.01698	<	0.00059
		0.00166 AVG	0.01722 AVG		0.00000 AVG
		0.000038 SD	0.000519 SD		0.000000 SD
		2.294892 %RSD	3.013113 %RSD		0.000000 %RSD
Q1042G1	10953.000	0.00133	0.01655	<	0.00069
Q1042G2	10493.000	0.00136	0.01637	<	0.00078
Q1042G3	10493.000	0.00155	0.01632	<	0.00068
		0.00141 AVG	0.01641 AVG		0.00000 AVG
		0.000121 SD	0.000123 SD		0.000000 SD
		8.556439 %RSD	0.748257 %RSD		0.000000 %RSD
Q1042H1	9515.000	0.00275	0.04285	<	0.00083
Q1042H2	9232.000	0.00270	0.04133	<	0.00085
Q1042H3	9004.000	0.00280	0.04405	<	0.00073
		0.00275 AVG	0.04274 AVG		0.00000 AVG
		0.000047 SD	0.001362 SD		0.000000 SD
		1.714705 %RSD	3.187690 %RSD		0.000000 %RSD
Q1042I1	9065.000	0.00213	0.01739	<	0.00070
Q1042I2	9745.000	0.00192	0.01689	<	0.00069
Q1042I3	9181.000	0.00142	0.01688	<	0.00073
		0.00182 AVG	0.01705 AVG		0.00000 AVG
		0.000362 SD	0.000296 SD		0.000000 SD
		19.862970 %RSD	1.737776 %RSD		0.000000 %RSD
Q1042J1	9896.000	0.00252	0.05562	<	0.00075
Q1042J2	9731.000	0.00223	0.05259	<	0.00064
Q1042J3	9046.000	0.00264	0.05380	<	0.00078
		0.00247 AVG	0.05400 AVG		0.00000 AVG
		0.000211 SD	0.001520 SD		0.000000 SD
		8.543626 %RSD	2.815319 %RSD		0.000000 %RSD
Q1042K1	8451.000	0.00454	0.09593	<	0.00086
Q1042K2	8691.000	0.00474	0.09847	<	0.00126
Q1042K3	8150.000	0.00509	0.09917	<	0.00096
		0.00479 AVG	0.09786 AVG		0.00126 AVG
		0.000280 SD	0.001702 SD		0.000000 SD
		5.840271 %RSD	1.739531 %RSD		0.000000 %RSD
Q1042L1	9527.000	0.00137	0.01475	<	0.00077
Q1042L2	9153.000	0.00134	0.01420	<	0.00087
Q1042L3	9511.000	0.00146	0.01463	<	0.00084
		0.00139 AVG	0.01452 AVG		0.00000 AVG
		0.000061 SD	0.000288 SD		0.000000 SD
		4.368370 %RSD	1.981944 %RSD		0.000000 %RSD

Q1042M1	8544.000	0.00472	0.09603	<	0.00147
Q1042M2	8506.000	0.00509	0.09581		0.00095
Q1042M3	8569.000	0.00468	0.09487	<	0.00093
		0.00483 AVG	0.09607 AVG		0.00121 AVG
		0.000229 SD	0.000282 SD		0.000457 SD
		4.739374 %RSD	0.293887 %RSD		37.847034 %RSD
Q1042N1	8886.000	0.00490	0.10373	<	0.00088
Q1042N2	8725.000	0.00476	0.09594		0.00111
Q1042N3	8427.000	0.00466	0.09456	<	0.00089
		0.00477 AVG	0.09808 AVG		0.00111 AVG
		0.000122 SD	0.004943 SD		0.000000 SD
		2.566090 %RSD	5.039478 %RSD		0.000000 %RSD
Q1042O1	8605.000	0.00138	0.01364	<	0.00083
Q1042O2	8765.000	0.00147	0.01473	<	0.00082
Q1042O3	9320.000	0.00207	0.01404	<	0.00078
		0.00164 AVG	0.01414 AVG		0.000000 AVG
		0.000373 SD	0.000554 SD		0.000000 SD
		22.742172 %RSD	3.916926 %RSD		0.000000 %RSD
Q1042F1	8437.000	0.00175	0.01381	<	0.00082
Q1042F2	8774.000	0.00141	0.01420	<	0.00083
Q1042F3	7724.000	0.00269	0.01424	<	0.00096
		0.00195 AVG	0.01408 AVG		0.000000 AVG
		0.000660 SD	0.000239 SD		0.000000 SD
		33.815033 %RSD	1.700112 %RSD		0.000000 %RSD
Q1042Q1	8828.000	0.00159	0.01681	<	0.00073
Q1042Q2	8373.000	0.00177	0.01751	<	0.00076
Q1042Q3	9139.000	0.00174	0.01758	<	0.00067
		0.00170 AVG	0.01730 AVG		0.000000 AVG
		0.000098 SD	0.000426 SD		0.000000 SD
		5.789814 %RSD	2.464216 %RSD		0.000000 %RSD
Q1042R1	6895.000	0.00349	0.01553	<	0.00094
Q1042R2	6364.000	0.00150	0.01607	<	0.00092
Q1042R3	6933.000	0.00133	0.01870	<	0.00089
		0.00211 AVG	0.01677 AVG		0.000000 AVG
		0.001201 SD	0.001692 SD		0.000000 SD
		56.993496 %RSD	10.094282 %RSD		0.000000 %RSD
Q1042S1	7962.000	0.00162	0.02002	<	0.00078
Q1042S2	8178.000	0.00154	0.02061	<	0.00094
Q1042S3	7686.000	0.00182	0.01974	<	0.00084
		0.00166 AVG	0.02012 AVG		0.000000 AVG
		0.000143 SD	0.000448 SD		0.000000 SD
		8.605161 %RSD	2.227419 %RSD		0.000000 %RSD
Q1042T1	8036.000	0.00157	0.01499	<	0.00081
Q1042T2	7756.000	0.00140	0.01555	<	0.00085
Q1042T3	7725.000	0.00133	0.01597	<	0.00082

0.00143 AVG	0.01551 AVG	0.00000 AVG
0.000126 SD	0.000190 SD	0.000000 SD
8.782532 %RSD	3.162538 %RSD	0.000000 %RSD

Q1042U1	7938.000	0.00419	0.09242	<	0.00093
Q1042U2	8735.000	0.00429	0.09053	<	0.00095
Q1042U3	8413.000	0.00447	0.09414	<	0.00092

0.00431 AVG	0.09236 AVG	0.00000 AVG
0.000141 SD	0.001804 SD	0.000000 SD
3.261818 %RSD	1.953333 %RSD	0.000000 %RSD

Q1042V1	9139.000	0.00174	0.01864	<	0.00075
Q1042V2	9186.000	0.00185	0.01939	<	0.00069
Q1042V3	8791.000	0.00170	0.01792	<	0.00073

0.00176 AVG	0.01865 AVG	0.00000 AVG
0.000080 SD	0.000734 SD	0.000000 SD
4.562396 %RSD	3.936154 %RSD	0.000000 %RSD

Q1042W1	8446.000	0.00146	0.01369	<	0.00080
Q1042W2	8531.000	0.00123	0.01310	<	0.00079
Q1042W3	8612.000	0.00145	0.01398	<	0.00084

0.00138 AVG	0.01359 AVG	0.00000 AVG
0.000128 SD	0.000450 SD	0.000000 SD
9.264977 %RSD	3.308249 %RSD	0.000000 %RSD

Q1042X1	8803.000	0.00175	0.01800	<	0.00085
Q1042X2	8762.000	0.00160	0.01884	<	0.00088
Q1042X3	8837.000	0.00146	0.01761	<	0.00092

0.00160 AVG	0.01815 AVG	0.00000 AVG
0.000149 SD	0.000629 SD	0.000000 SD
9.268761 %RSD	3.464525 %RSD	0.000000 %RSD

Q1042Y1	9167.000	0.00129	0.01384	<	0.00074
Q1042Y2	8975.000	0.00099	0.01368	<	0.00071
Q1042Y3	8722.000	0.00124	0.01373	<	0.00076

0.00117 AVG	0.01375 AVG	0.00000 AVG
0.000164 SD	0.000083 SD	0.000000 SD
13.993755 %RSD	0.606073 %RSD	0.000000 %RSD

Q1042Z1	9463.000	0.00138	0.01644	<	0.00065
Q1042Z2	8935.000	0.00153	0.01705	<	0.00089
Q1042Z3	8399.000	0.00132	0.01654	<	0.00069

0.00141 AVG	0.01668 AVG	0.00000 AVG
0.000108 SD	0.000326 SD	0.000000 SD
7.641713 %RSD	1.952700 %RSD	0.000000 %RSD

Q1042AA1	9121.000	0.00164	0.02194	<	0.00069
Q1042AA2	9404.000	0.00165	0.01899	<	0.00080
Q1042AA3	9043.000	0.00165	0.01881	<	0.00075

0.00165 AVG	0.01991 AVG	0.00000 AVG
0.000007 SD	0.001760 SD	0.000000 SD

0.42249% %RSD

8.840163 %RSD

0.000000 %RSD

Q1042AB1	8097.000	0.00155	0.01774	<	0.00097
Q1042AB2	7827.000	0.00191	0.01716	<	0.00097
Q1042AB3	6718.000	0.00186	0.01628	<	0.00109
Q1042AC1	9857.000	0.00131	0.01549	<	0.00082
Q1042AC2	9952.000	0.00142	0.01526	<	0.00074
Q1042AC3	10475.000	0.00129	0.01628	<	0.00069

0.00134 AVG 0.01568 AVG 0.00000 AVG
0.000072 SD 0.000536 SD 0.000000 SD
5.404359 %RSD 3.418335 %RSD 0.000000 %RSD

Q1042AD1	9189.000	0.00144	0.01576	<	0.00076
Q1042AD2	8649.000	0.00151	0.01614	<	0.00097
Q1042AD3	7782.000	0.00148	0.01635	<	0.00098
Q1042AE1	10380.000	0.00440	0.08411	<	0.00081
Q1042AE2	10595.000	0.00352	0.07459	<	0.00083
Q1042AE3	9217.000	0.00329	0.07102	<	0.00095

0.00374 AVG 0.07657 AVG 0.00000 AVG
0.000587 SD 0.006765 SD 0.000000 SD
15.713941 %RSD 8.834502 %RSD 0.000000 %RSD

(TI)TITLE:
 00610007 RF QY GREENKILL
 (LN)LIBRARY:
 (SA)SAMPLE TIME: 19JUN80 1027:00
 (SE)STD ENERGY TOLERANCE: 2.00
 (UE)UNK ENERGY TOLERANCE: 2.00
 (TF)THERMAL FLUX: 0.0000E-01
 (EF)EPITHERMAL FLUX: 0.0000E-01
 (FF)FAST FLUX: 0.0000E-01
 (QU)UNITS: UG

	ELEMENT	ENERGY	HALF-LIFE	SEC
1	%-COPPER	511.00	1.2800E 01 H	4.6080E 04
2	%-ANTIMONY	564.09	2.7200E 00 D	2.3501E 05
3	%-ARSENIC	657.41	2.6300E 01 H	9.4680E 04

STANDARD SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	17038.00	FBI1 .A01	100.0	100000.0
2	S626B	10186.00	FBI1 .A02	100.0	100000.0
3	S626C	13635.00	FBI1 .A03	100.0	100000.0
4	S604A	12521.00	FBI1 .A04	100.0	100000.0
5	S604B	13264.00	FBI1 .A05	100.0	100000.0
6	S604C	16687.00	FBI1 .A06	100.0	100000.0

STD: 1 S626A FILE= FBI1 .A01

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 2 S626B FILE= FBI1 .A02

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 3 S626C FILE= FBI1 .A03

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 4 S604A FILE= FBI1 .A04

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 6 S604C

FILE= FBI1 .A06

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

UNKNOWN SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	17038.00	FBI1 .A01	100.0	100000.0
2	S626B	10186.00	FBI1 .A02	100.0	100000.0
3	S626C	13635.00	FBI1 .A03	100.0	100000.0
4	S604A	12521.00	FBI1 .A04	100.0	100000.0
5	S604B	13264.00	FBI1 .A05	100.0	100000.0
6	S604C	16687.00	FBI1 .A06	100.0	100000.0
7	Q1042A1	12028.00	FBI1 .A07	100.0	100000.0
8	Q1042A2	11740.00	FBI1 .A08	100.0	100000.0
9	Q1042A3	12532.00	FBI1 .A09	100.0	100000.0
10	Q1042B1	10080.00	FBI1 .A10	100.0	100000.0
11	Q1042B2	9484.00	FBI1 .A11	100.0	100000.0
12	Q1042B3	9506.00	FBI1 .A12	100.0	100000.0
13	Q1042C1	8941.00	FBI1 .A13	100.0	100000.0
14	Q1042C2	9075.00	FBI1 .A14	100.0	100000.0
15	Q1042C3	9561.00	FBI1 .A15	100.0	100000.0
16	Q1042D1	8880.00	FBI1 .A16	100.0	100000.0
17	Q1042D2	8659.00	FBI1 .A17	100.0	100000.0
18	Q1042D3	9044.00	FBI1 .A18	100.0	100000.0
19	Q1042E1	8759.00	FBI1 .A19	100.0	100000.0
20	Q1042E2	8606.00	FBI1 .A20	100.0	100000.0
21	Q1042E3	8745.00	FBI1 .A21	100.0	100000.0
22	Q1042F1	11688.00	FBI1 .A22	100.0	100000.0
23	Q1042F2	11702.00	FBI1 .A23	100.0	100000.0
24	Q1042F3	11165.00	FBI1 .A24	100.0	100000.0
25	Q1042G1	10953.00	FBI1 .A25	100.0	100000.0
26	Q1042G2	10493.00	FBI1 .A26	100.0	100000.0
27	Q1042G3	10493.00	FBI1 .A27	100.0	100000.0
28	Q1042H1	9515.00	FBI1 .A28	100.0	100000.0
29	Q1042H2	9232.00	FBI1 .A29	100.0	100000.0
30	Q1042H3	9004.00	FBI1 .A30	100.0	100000.0
31	Q1042I1	9065.00	FBI1 .A31	100.0	100000.0
32	Q1042I2	9745.00	FBI1 .A32	100.0	100000.0
33	Q1042I3	9181.00	FBI1 .A33	100.0	100000.0
34	Q1042J1	9896.00	FBI1 .A34	100.0	100000.0
35	Q1042J2	9731.00	FBI1 .A35	100.0	100000.0
36	Q1042J3	9046.00	FBI1 .A36	100.0	100000.0
37	Q1042K1	8451.00	FBI1 .A37	100.0	100000.0
38	Q1042K2	8691.00	FBI1 .A38	100.0	100000.0
39	Q1042K3	8150.00	FBI1 .A39	100.0	100000.0
40	Q1042L1	9527.00	FBI1 .A40	100.0	100000.0
41	Q1042L2	9153.00	FBI1 .A41	100.0	100000.0
42	Q1042L3	9511.00	FBI1 .A42	100.0	100000.0
43	Q1042M1	8544.00	FBI1 .A43	100.0	100000.0
44	Q1042M2	8506.00	FBI1 .A44	100.0	100000.0
45	Q1042M3	8569.00	FBI1 .A45	100.0	100000.0
46	Q1042N1	8886.00	FBI1 .A46	100.0	100000.0
47	Q1042N2	8725.00	FBI1 .A47	100.0	100000.0

48	Q1042N3	8427.00	FBI1	.A48	100.0	100000.0
49	Q1042O1	8605.00	FBI1	.A49	100.0	100000.0
50	Q1042O2	8765.00	FBI1	.A50	100.0	100000.0
51	Q1042O3	8820.00	FBI1	.A51	100.0	100000.0
52	Q1042P1	8437.00	FBI1	.A52	100.0	100000.0
53	Q1042P2	8774.00	FBI1	.A53	100.0	100000.0
54	Q1042P3	7724.00	FBI1	.A54	100.0	100000.0
55	Q1042Q1	8828.00	FBI1	.A55	100.0	100000.0
56	Q1042Q2	8373.00	FBI1	.A56	100.0	100000.0
57	Q1042Q3	9139.00	FBI1	.A57	100.0	100000.0
58	Q1042R1	6895.00	FBI1	.A58	100.0	100000.0
59	Q1042R2	6364.00	FBI1	.A59	100.0	100000.0
60	Q1042R3	6933.00	FBI1	.A60	100.0	100000.0
61	Q1042S1	7962.00	FBI1	.A61	100.0	100000.0
62	Q1042S2	8178.00	FBI1	.A62	100.0	100000.0
63	Q1042S3	7686.00	FBI1	.A63	100.0	100000.0
64	Q1042T1	8036.00	FBI1	.A64	100.0	100000.0
65	Q1042T2	7756.00	FBI1	.A65	100.0	100000.0
66	Q1042T3	7725.00	FBI1	.A66	100.0	100000.0
67	Q1042U1	7938.00	FBI1	.A67	100.0	100000.0
68	Q1042U2	8735.00	FBI1	.A68	100.0	100000.0
69	Q1042U3	8413.00	FBI1	.A69	100.0	100000.0
70	Q1042V1	9139.00	FBI1	.A70	100.0	100000.0
71	Q1042V2	9186.00	FBI1	.A71	100.0	100000.0
72	Q1042V3	8791.00	FBI1	.A72	100.0	100000.0
73	Q1042W1	8446.00	FBI1	.A73	100.0	100000.0
74	Q1042W2	8531.00	FBI1	.A74	100.0	100000.0
75	Q1042W3	8612.00	FBI1	.A75	100.0	100000.0
76	Q1042X1	8803.00	FBI1	.A76	100.0	100000.0
77	Q1042X2	8762.00	FBI1	.A77	100.0	100000.0
78	Q1042X3	8837.00	FBI1	.A78	100.0	100000.0
79	Q1042Y1	9167.00	FBI1	.A79	100.0	100000.0
80	Q1042Y2	8975.00	FBI1	.A80	100.0	100000.0
81	Q1042Y3	8722.00	FBI1	.A81	100.0	100000.0
82	Q1042Z1	9463.00	FBI1	.A82	100.0	100000.0
83	Q1042Z2	8935.00	FBI1	.A83	100.0	100000.0
84	Q1042Z3	8399.00	FBI1	.A84	100.0	100000.0
85	Q1042AA1	9121.00	FBI1	.A85	100.0	100000.0
86	Q1042AA2	9404.00	FBI1	.A86	100.0	100000.0
87	Q1042AA3	9043.00	FBI1	.A87	100.0	100000.0
88	Q1042AB1	8097.00	FBI1	.A88	100.0	100000.0
89	Q1042AB2	7827.00	FBI1	.A89	100.0	100000.0
90	Q1042AB3	6718.00	FBI1	.A90	100.0	100000.0
91	Q1042AC1	9857.00	FBI1	.A91	100.0	100000.0
92	Q1042AC2	9952.00	FBI1	.A92	100.0	100000.0
93	Q1042AC3	10475.00	FBI1	.A93	100.0	100000.0
94	Q1042AD1	9189.00	FBI1	.A94	100.0	100000.0
95	Q1042AD2	8649.00	FBI1	.A95	100.0	100000.0
96	Q1042AD3	7782.00	FBI1	.A96	100.0	100000.0
97	Q1042AE1	10380.00	FBI1	.A97	100.0	100000.0
98	Q1042AE2	10595.00	FBI1	.A98	100.0	100000.0
99	Q1042AE3	9217.00	FBI1	.A99	100.0	100000.0

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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
SAMPLE IDENTIFICATION: S626A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 17038.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1349:24 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 640. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	91047.	7.8000E-02	0.0000E-01	1.3772E-01	4.7002E-04
%-ANTIMONY	564.1	255594.	7.2000E-01	0.0000E-01	3.6026E-02	7.1705E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
SAMPLE IDENTIFICATION: S6268
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 10186.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1400:18 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
*

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	51970.	7.8000E-02	0.0000E-01	1.3278E-01	5.9990E-04
%-ANTIMONY	564.1	150507.	7.2000E-01	0.0000E-01	3.5552E-02	9.2175E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
SAMPLE IDENTIFICATION: S626C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 13635.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TABL

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ACQUISITION DATE: 19JUN80 1410:57 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 631. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NET ITERATIONS: 10.
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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	69933.	7.8000E-02	0.0000E-01	1.3477E-01	5.2448E-04
%-ANTIMONY	564.1	199977.	7.2000E-01	0.0000E-01	3.5355E-02	7.9544E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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20 JUN 1980 7:34:09 AM XX
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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
SAMPLE IDENTIFICATION: S604A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 12521.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1421:40 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 674. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	7034.	1.0000E-01	0.0000E-01	1.0404E-02	1.4301E-04

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20 JUN 1980 7:34:52 AM XX
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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
SAMPLE IDENTIFICATION: S604B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 13264.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 19JUN80 1433:07 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 676. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	7471.	1.0000E-01	0.0000E-01	1.0484E-02	1.3930E-04

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20 JUN 1980 7:35:35 AM XX
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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
SAMPLE IDENTIFICATION: S604C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 16687.00 UNITS: UG
SAMPLE GEOMETRY: RT3 6HR
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1444:38 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 698. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	9060.	1.0000E-01	0.0000E-01	1.0158E-02	1.2591E-04

SUMMARY OF STANDARD CONSTANTS:

1. ELEMENT Z-COPPER AT 511.00 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.8000E-02	1.3772E-01	4.7002E-04
S626B	7.8000E-02	1.3278E-01	5.9990E-04
S626C	7.8000E-02	1.3477E-01	5.2448E-04
<hr/>			
MEAN CONSTANT,	3 STDS:	1.3549E-01	3.0233E-04

2. ELEMENT Z-ANTIMONY AT 564.09 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.2000E-01	3.6026E-02	7.1705E-03
S626B	7.2000E-01	3.5552E-02	9.2175E-03
S626C	7.2000E-01	3.5355E-02	7.9544E-03
<hr/>			
MEAN CONSTANT,	3 STDS:	3.5682E-02	4.6115E-03

3. ELEMENT Z-ARSENIC AT 657.41 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S604A	1.0000E-01	1.0404E-02	1.4301E-04
S604B	1.0000E-01	1.0484E-02	1.3930E-04
S604C	1.0000E-01	1.0138E-02	1.2591E-04
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MEAN CONSTANT,	3 STDS:	1.0335E-02	7.8203E-05

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 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:36:30 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: S626A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 17038.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1349:24 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 640. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009: 534. 525. 513. 549. 625. 681. 870. 1142. 1744.
 1018: 2574. 4355. 8017. 13026. 17281. 18911. 16888. 12336. 7340.
 1027: 3781. 2106. 1187. 758. 494. 394. 380. 331. 376.

% COPPER 511.0 KEV 0.0793

1117: 755. 1103. 1464. 1395. 1075. 1070. 1125. 1441. 2173.
 1126: 4971. 18867. 54696. 85146. 64604. 24124. 4794. 798. 394.
 1135: 343. 277. 251. 242. 220. 187. 170. 172. 163.

% ANTIMONY 564.0 KEV 0.7269

1301: 98. 88. 78. 90. 94. 96. 81. 77. 85.
 1310: 80. 91. 91. 118. 168. 168. 165. 107. 87.
 1319: 69. 73. 94. 83. 84. 84. 89. 71. 62.

% ARSENIC 657.4 KEV 0.0031

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	2752.	91047.	0.0793	0.0003	0.4
%-ANTIMONY	564.1	1608.	255594.	0.7269	0.0017	0.2
%-ARSENIC	657.4	429.	298.	0.0031	0.0004	11.4

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 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:37:25 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: S6268
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10186.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 19JUN80 1400:18 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

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1009:	311.	289.	270.	327.	313.	403.	500.	646.	898.
1018:	1345.	2388.	4257.	7185.	9953.	10896.	9837.	7301.	4123.
1027:	2240.	1047.	623.	447.	284.	253.	202.	220.	163.

% COPPER 511.0 KEV 0.0764

1117:	390.	680.	856.	818.	663.	632.	731.	864.	1211.
1126:	2701.	10084.	30309.	50248.	40052.	15251.	2745.	402.	172.
1135:	140.	113.	104.	107.	97.	89.	78.	77.	90.

% ANTIMONY 564.0 KEV 0.7174

1301:	52.	56.	61.	56.	41.	44.	34.	51.	46.
1310:	46.	51.	55.	50.	77.	110.	96.	73.	63.
1319:	37.	38.	54.	50.	43.	41.	56.	37.	41.

% ARSENIC 657.4 KEV 0.0031

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1582.	51970.	0.0764	0.0004	0.5
%-ANTIMONY	564.1	883.	150507.	0.7174	0.0021	0.3
%-ARSENIC	657.4	243.	177.	0.0031	0.0004	14.6

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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: S626C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13635.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

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 *
 ACQUISITION DATE: 19JUN80 1410:57 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 631. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

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 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

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1009:	346.	422.	411.	427.	436.	525.	629.	877.	1142.
1018:	1831.	3284.	6020.	9784.	13260.	14657.	13160.	9516.	5602.
1027:	2833.	1534.	865.	589.	427.	289.	259.	293.	254.

% COPPER 511.0 KEV U . 0776

1117:	542.	812.	1181.	1139.	843.	788.	965.	1169.	1577.
1126:	3789.	14132.	42080.	66450.	51740.	19479.	3531.	585.	256.
1135:	222.	204.	165.	165.	157.	134.	137.	147.	123.

% ANTIMONY 564.1 KEV U . 7134

1301:	82.	64.	80.	83.	66.	80.	67.	59.	68.
1310:	61.	73.	61.	80.	121.	137.	120.	61.	83.
1319:	62.	66.	64.	74.	62.	64.	76.	53.	65.

% ARSENIC 657.4 KEV U . 0022

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	2066.	69933.	0.0776	0.0003	0.4
%-ANTIMONY	564.1	1224.	199977.	0.7134	0.0019	0.3
%-ARSENIC	657.4	351.	171.	0.0022	0.0004	17.3

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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: S604A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12521.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1421:40 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 674. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	771.	781.	782.	792.	841.	777.	806.	810.	809.
1018:	863.	1010.	1288.	1596.	1851.	1905.	1798.	1499.	1133.
1027:	950.	805.	792.	704.	679.	702.	712.	726.	668.

% COPPER 511.1 + 0.0 KEV 0.0072

1117:	6544.	16682.	24236.	18185.	7890.	3277.	2740.	3244.	4937.
1126:	12617.	46005.	119486.	168795.	119067.	42311.	9078.	2288.	1255.
1135:	989.	823.	810.	709.	638.	604.	599.	588.	620.

% ANTIMONY 564.1 + 0.9 KEV 1.9982

1301:	262.	219.	252.	264.	229.	237.	238.	263.	242.
1310:	290.	314.	419.	1017.	1993.	2566.	1859.	755.	357.
1319:	247.	227.	250.	243.	234.	215.	198.	222.	207.

% ARSENIC 657.4 + 0.0 KEV 0.1007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	5166.	5904.	0.0072	0.0002	2.2
%-ANTIMONY	564.1	4012.	513347.	1.9982	0.0038	0.2
%-ARSENIC	657.4	1157.	7034.	0.1007	0.0016	1.6

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:40:15 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: S604B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13264.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1433:07 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 676. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	793.	788.	743.	823.	788.	794.	764.	800.	863.
1018:	920.	1030.	1295.	1620.	1977.	2017.	1880.	1546.	1153.
1027:	1012.	795.	801.	750.	713.	760.	743.	661.	704.

% COPPER 511.1 + 0.0 KEV 0.0071

1117:	6862.	16909.	24642.	18468.	7843.	3469.	2803.	3347.	5219.
1126:	13017.	47666.	122305.	173020.	121578.	42894.	9291.	2362.	1343.
1135:	1072.	841.	781.	716.	679.	615.	636.	557.	600.

% ANTIMONY 564.1 + 0.5 KEV 1.9358

1301:	294.	260.	251.	255.	239.	250.	257.	264.	248.
1310:	247.	329.	465.	1083.	2130.	2662.	1907.	879.	355.
1319:	247.	228.	292.	229.	219.	216.	218.	244.	226.

% ARSENIC 657.4 + 0.4 KEV 0.1014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	5415.	6073.	0.0071	0.0002	2.2
%-ANTIMONY	564.1	4020.	525751.	1.9358	0.0037	0.2
%-ARSENIC	657.4	1191.	7471.	0.1014	0.0016	1.5

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 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:41:11 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENK.LL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: S604C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.6687.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1444:38 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 698. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009: 1078. 1070. 1013. 1056. 1089. 1072. 1091. 1071. 1145.
 1018: 1206. 1355. 1701. 2172. 2485. 2635. 2323. 1854. 1493.
 1027: 1271. 1106. 1047. 1009. 1031. 948. 940. 934. 962.

% COPPER 511.0 100 KEV 0.0071

1117: 9678. 22397. 30830. 22152. 9578. 4441. 3768. 4340. 6885.
 1126: 18689. 65056. 161656. 215277. 145870. 51119. 11767. 3636. 2211.
 1135: 1659. 1331. 1225. 1085. 1052. 1021. 896. 841. 900.

% ANTIMONY 564.0 9 KEV 1.9466

1301: 371. 375. 381. 396. 362. 349. 344. 357. 384.
 1310: 387. 408. 602. 1474. 2821. 3286. 2218. 1035. 441.
 1319: 344. 323. 329. 333. 352. 323. 354. 324. 372.

% ARSENIC 657.0 40 KEV 0.0983

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	7021.	7642.	0.0071	0.0001	1.9
%-ANTIMONY	564.1	5689.	663745.	1.9466	0.0035	0.2
%-ARSENIC	657.4	1775.	9060.	0.0983	0.0014	1.5

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:42:07 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042A1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12028.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1456:28 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	29.	20.	29.	16.	20.	23.	26.	18.	29.
1018:	41.	67.	94.	133.	213.	220.	193.	144.	84.
1027:	53.	48.	30.	23.	20.	18.	26.	26.	10.

% COPPER 511.0 KEV 0.0012

1117:	22.	28.	29.	22.	23.	34.	34.	26.	45.
1126:	70.	255.	721.	1204.	1015.	390.	71.	32.	15.
1135:	13.	17.	17.	20.	12.	10.	14.	18.	17.

% ANTIMONY 564.0 KEV 0.0148

1301:	13.	7.	11.	9.	11.	13.	15.	13.	18.
1310:	12.	7.	8.	16.	8.	12.	13.	13.	10.
1319:	14.	20.	13.	13.	12.	7.	15.	9.	10.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	139.	942.	0.0012	0.0000	3.7
%-ANTIMONY	564.1	102.	3624.	0.0148	0.0003	1.7
%-ARSENIC	657.4	54.	9.	< 5.5544E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:43:02 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042A2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11740.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1506:44 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	14.	15.	15.	16.	16.	17.	21.	28.	21.
1018:	45.	56.	90.	128.	186.	185.	185.	134.	91.
1027:	52.	40.	19.	18.	11.	16.	17.	14.	13.

% COPPER 511.0 KEV U . U U L 2

1117:	21.	24.	15.	29.	20.	23.	24.	34.	38.
1126:	75.	217.	661.	1094.	848.	328.	73.	24.	11.
1135:	13.	16.	7.	14.	16.	14.	9.	10.	17.

% ANTIMONY 564.0 KEV U . U U L 3 4

1301:	9.	7.	10.	9.	13.	17.	13.	13.	7.
1310:	15.	10.	7.	16.	21.	14.	16.	11.	7.
1319:	12.	16.	10.	13.	19.	8.	12.	15.	8.

% ARSENIC 657.4 KEV < U . U U U 6

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	120.	879.	0.0012	0.0000	3.8
%-ANTIMONY	564.1	94.	3202.	0.0134	0.0002	1.8
%-ARSENIC	657.4	62.	17.	< 6.0984E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:43:58 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042A3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12532.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1516:59 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	17.	24.	20.	19.	20.	26.	33.	22.	27.
1018:	39.	58.	86.	129.	179.	210.	212.	164.	80.
1027:	54.	41.	28.	17.	17.	15.	17.	20.	15.

% COPPER 511.0 KEV 0.0012

1117:	12.	24.	26.	18.	22.	18.	20.	42.	37.
1126:	80.	225.	705.	1205.	954.	387.	80.	18.	16.
1135:	10.	9.	13.	12.	22.	14.	11.	6.	13.

% ANTIMONY 564.0 KEV 0.0135

1301:	15.	12.	14.	11.	12.	9.	19.	12.	11.
1310:	15.	12.	8.	15.	12.	17.	16.	17.	13.
1319:	9.	6.	15.	14.	8.	17.	21.	9.	11.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	130.	931.	0.0012	0.0000	3.7
%-ANTIMONY	564.1	95.	3541.	0.0139	0.0002	1.7
%-ARSENIC	657.4	64.	14.	< 5.8250E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:44:54 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042B1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10080.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.FAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1527:13 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	37.	36.	38.	33.	39.	51.	41.	56.	64.
1018:	101.	167.	252.	413.	553.	645.	559.	396.	286.
1027:	152.	73.	63.	41.	45.	34.	31.	28.	35.

% COPPER 511.0 KEV 0.0046

1117:	58.	126.	162.	198.	116.	92.	84.	111.	185.
1126:	295.	1104.	3618.	6285.	5390.	2038.	375.	38.	16.
1135:	17.	14.	26.	19.	17.	15.	18.	19.	12.

% ANTIMONY 564.0 KEV 0.0927

1301:	14.	15.	10.	15.	10.	13.	9.	10.	15.
1310:	16.	17.	18.	16.	20.	29.	22.	18.	15.
1319:	13.	8.	13.	11.	7.	10.	14.	8.	14.

% ARSENIC 657.40 KEV 0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	234.	2870.	0.0046	0.0001	2.0
%-ANTIMONY	564.1	161.	18944.	0.0927	0.0007	0.7
%-ARSENIC	657.4	57.	49.	8.8727E-04	2.3259E-04	26.2

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:45:49 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042B2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9484.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1537:32 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	37.	44.	34.	36.	46.	41.	36.	49.	52.
1018:	81.	115.	256.	368.	467.	559.	481.	365.	241.
1027:	131.	81.	51.	38.	34.	27.	34.	35.	28.

% COPPER 511.0 KEV 0.0044

1117:	62.	93.	163.	157.	98.	90.	103.	117.	153.
1126:	306.	1059.	3305.	5660.	4678.	1847.	330.	43.	21.
1135:	24.	16.	12.	18.	14.	12.	13.	16.	11.

% ANTIMONY 564.0 KEV 0.0887

1301:	20.	18.	14.	12.	18.	11.	18.	12.	13.
1310:	10.	12.	12.	5.	27.	28.	31.	17.	13.
1319:	6.	11.	15.	13.	11.	18.	18.	11.	17.

% ARSENIC 657.4 KEV 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	212.	2525.	0.0044	0.0001	2.2
%-ANTIMONY	564.1	153.	17032.	0.0887	0.0007	0.8
%-ARSENIC	657.4	72.	44.	8.5942E-04	2.6790E-04	31.2

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:46:44 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042B3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9506.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1547:51 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	32.	31.	36.	49.	49.	42.	40.	52.	64.
1018:	87.	141.	223.	387.	528.	559.	496.	400.	221.
1027:	129.	78.	62.	41.	38.	30.	29.	23.	20.

% COPPER 511.0 KEV 0.0045

1117:	70.	110.	183.	164.	100.	74.	90.	104.	165.
1126:	311.	1160.	3536.	5966.	4855.	1920.	334.	51.	24.
1135:	12.	16.	19.	21.	14.	15.	18.	24.	13.

% ANTIMONY 564.0 KEV 0.0934

1301:	10.	13.	20.	16.	21.	12.	15.	21.	21.
1310:	18.	10.	11.	18.	23.	31.	22.	17.	14.
1319:	18.	11.	10.	15.	8.	13.	10.	14.	14.

% ARSENIC 657.40 KEV <0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	229.	2585.	0.0045	0.0001	2.1
%-ANTIMONY	564.1	139.	17943.	0.0934	0.0007	0.8
%-ARSENIC	657.4	71.	40.	< 8.2005E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:47:40 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042C1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8941.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1558:09 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	15.	10.	13.	19.	17.	15.	17.	28.	24.
1018:	21.	50.	71.	120.	138.	173.	161.	116.	69.
1027:	49.	25.	31.	24.	22.	18.	11.	17.	18.

% COPPER 511.0 KEV 0.0014

1117:	17.	19.	16.	17.	16.	18.	17.	25.	38.
1126:	34.	190.	516.	827.	735.	285.	47.	19.	18.
1135:	7.	13.	15.	8.	11.	19.	11.	16.	17.

% ANTIMONY 564.0 KEV 0.0141

1301:	20.	10.	13.	13.	15.	8.	11.	12.	12.
1310:	9.	8.	11.	8.	14.	11.	13.	13.	14.
1319:	10.	10.	8.	15.	16.	8.	8.	9.	10.

% ARSENIC 657.40 KEV < 0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	112.	736.	0.0014	0.0001	4.2
%-ANTIMONY	564.1	99.	2535.	0.0141	0.0003	2.1
%-ARSENIC	657.4	58.	7. <	7.9383E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:48:35 AM XXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042C2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9075.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1608:24 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	22.	16.	24.	25.	18.	10.	26.	18.	21.
1018:	39.	42.	66.	113.	146.	136.	162.	140.	72.
1027:	37.	32.	22.	28.	18.	12.	24.	13.	9.

% COPPER 511.0 KEV 0.0013

1117:	19.	15.	20.	16.	22.	18.	18.	26.	30.
1126:	66.	157.	444.	766.	659.	282.	55.	18.	17.
1135:	14.	14.	11.	21.	21.	8.	14.	12.	17.

% ANTIMONY 564.0 KEV 0.0127

1301:	16.	10.	10.	10.	10.	20.	10.	7.	6.
1310:	13.	13.	16.	13.	10.	17.	16.	13.	7.
1319:	15.	11.	7.	6.	13.	12.	16.	13.	18.

% ARSENIC 657.4 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	121.	714.	0.0013	0.0001	4.3
%-ANTIMONY	564.1	102.	2328.	0.0127	0.0003	2.2
%-ARSENIC	657.4	60.	12.	< 8.0133E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:49:31 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042C3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9561.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1618:39 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	21.	15.	19.	18.	27.	12.	23.	21.	22.
1018:	29.	45.	64.	108.	153.	178.	158.	119.	69.
1027:	47.	27.	19.	13.	13.	19.	20.	14.	12.

% COPPER 511.0 KEV 0.0013

1117:	13.	18.	14.	15.	23.	26.	29.	24.	35.
1126:	35.	149.	518.	800.	654.	236.	69.	16.	11.
1135:	13.	23.	8.	16.	21.	11.	8.	12.	8.

% ANTIMONY 564.0 KEV 0.0122

1301:	6.	8.	12.	16.	13.	13.	6.	14.	20.
1310:	16.	13.	15.	16.	8.	12.	11.	10.	20.
1319:	10.	9.	14.	17.	15.	15.	13.	9.	15.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	115.	734.	0.0013	0.0001	4.2
%-ANTIMONY	564.1	113.	2348.	0.0122	0.0003	2.2
%-ARSENIC	657.4	66.	-2. < 7.9589E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:50:26 AM XXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042D1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8880.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1628:54 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	38.	42.	34.	38.	37.	39.	54.	50.	56.
1018:	87.	148.	227.	372.	496.	554.	481.	392.	255.
1027:	121.	86.	48.	39.	35.	43.	39.	31.	39.

% COPPER 511.0 KEV 0.0049

1117:	80.	124.	180.	189.	102.	84.	118.	113.	133.
1126:	311.	1168.	3707.	6093.	4959.	1841.	343.	52.	27.
1135:	19.	26.	25.	19.	24.	21.	20.	29.	17.

% ANTIMONY 564.0 KEV 0.1024

1301:	23.	22.	16.	12.	22.	16.	18.	14.	17.
1310:	24.	18.	20.	24.	33.	36.	33.	26.	19.
1319:	18.	19.	16.	15.	13.	17.	17.	15.	22.

% ARSENIC 657.4 KEV 0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	250.	2527.	0.0049	0.0001	2.2
%-ANTIMONY	564.1	176.	18246.	0.1024	0.0008	0.8
%-ARSENIC	657.4	83.	70.	0.0015	0.0003	22.0

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:51:22 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042D2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8659.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1639:13 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	31.	42.	39.	47.	33.	40.	46.	51.	70.
1018:	74.	122.	238.	336.	427.	497.	455.	378.	199.
1027:	126.	69.	49.	47.	42.	30.	33.	28.	29.

% COPPER 511.0 KEV 0.0046

1117:	59.	128.	191.	145.	86.	76.	97.	118.	129.
1126:	277.	1066.	3480.	5709.	4560.	1741.	354.	51.	21.
1135:	21.	21.	13.	17.	17.	19.	17.	17.	23.

% ANTIMONY 564.0 KEV 0.0081

1301:	12.	14.	18.	19.	12.	17.	16.	10.	23.
1310:	10.	13.	15.	23.	20.	28.	25.	20.	21.
1319:	14.	19.	20.	11.	21.	15.	21.	25.	15.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	246.	2284.	0.0046	0.0001	2.3
%-ANTIMONY	564.1	171.	17016.	0.0081	0.0008	0.8
%-ARSENIC	657.4	87.	30. <	0.0010	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:52:17 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042D3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9044.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1649:31 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	30.	33.	47.	48.	50.	43.	48.	56.	59.
1018:	80.	130.	270.	403.	546.	561.	538.	398.	231.
1027:	132.	80.	57.	40.	38.	35.	31.	35.	29.

% COPPER 511.1 + 0.0 KEV 0.0052

1117:	62.	120.	178.	168.	124.	76.	90.	108.	156.
1126:	319.	1087.	3551.	5941.	4995.	1956.	345.	42.	30.
1135:	20.	33.	19.	18.	20.	16.	21.	16.	19.

% ANTIMONY 564.1 + 0.9 KEV 0.0997

1301:	20.	18.	17.	18.	17.	22.	23.	13.	6.
1310:	11.	14.	16.	15.	26.	27.	18.	19.	11.
1319:	13.	16.	17.	13.	13.	22.	9.	21.	7.

% ARSENIC 657.4 + 0.0 KEV < 0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	258.	2689.	0.0052	0.0001	2.1
%-ANTIMONY	564.1	168.	18026.	0.0997	0.0008	0.8
%-ARSENIC	657.4	85.	20.	< 9.6359E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:53:13 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042E1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8759.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1659:50 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	16.	18.	16.	13.	19.	18.	16.	23.	22.
1018:	38.	29.	77.	108.	148.	173.	120.	124.	61.
1027:	50.	22.	28.	19.	23.	21.	14.	15.	8.

% COPPER 511.0 KEV 0.0014

1117:	22.	13.	19.	25.	19.	22.	25.	25.	43.
1126:	75.	168.	556.	993.	798.	308.	73.	12.	22.
1135:	17.	17.	14.	17.	11.	11.	13.	12.	10.

% ANTIMONY 564.1 KEV 0.0165

1301:	12.	9.	11.	13.	14.	12.	14.	9.	11.
1310:	8.	12.	10.	13.	8.	8.	13.	13.	11.
1319:	13.	8.	6.	5.	10.	13.	13.	8.	11.

% ARSENIC 657.4 KEV < 8.0868E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	117.	694.	0.0014	0.0001	4.4
%-ANTIMONY	564.1	90.	2881.	0.0165	0.0003	1.9
%-ARSENIC	657.4	54.	1.	< 8.0868E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:54:09 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042E2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8606.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1710:05 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	17.	17.	18.	14.	15.	24.	17.	25.	28.
1018:	40.	40.	77.	90.	154.	146.	124.	113.	72.
1027:	43.	28.	20.	21.	19.	17.	18.	11.	11.

% COPPER 511.0 KEV 0.0014

1117:	17.	14.	20.	21.	30.	17.	29.	27.	33.
1126:	47.	178.	547.	906.	800.	314.	84.	9.	12.
1135:	15.	12.	9.	13.	10.	13.	9.	15.	14.

% ANTIMONY 564.0 KEV 0.0163

1301:	7.	11.	6.	12.	15.	5.	4.	7.	16.
1310:	10.	13.	12.	11.	9.	6.	15.	14.	9.
1319:	11.	14.	10.	10.	11.	11.	11.	8.	8.

% ARSENIC 657.4 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	105.	671.	0.0014	0.0001	4.4
%-ANTIMONY	564.1	83.	2793.	0.0163	0.0003	2.0
%-ARSENIC	657.4	50.	5. < 7.9785E-04		NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:55:06 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042E3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8745.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 19JUN80 1720:20 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	24.	14.	21.	15.	25.	17.	15.	21.	27.
1018:	30.	50.	67.	101.	163.	169.	164.	104.	64.
1027:	46.	28.	24.	17.	15.	12.	10.	13.	11.

% COPPER 511.1 + 0.0 KEV 0.0015

1117:	10.	20.	18.	14.	17.	24.	23.	29.	31.
1126:	56.	164.	548.	945.	788.	347.	57.	18.	17.
1135:	12.	11.	11.	11.	16.	11.	11.	9.	9.

% ANTIMONY 564.1 + 0.0 KEV 0.0162

1301:	8.	11.	17.	14.	6.	11.	10.	14.	11.
1310:	11.	12.	12.	10.	5.	21.	11.	5.	11.
1319:	18.	12.	10.	8.	11.	9.	15.	11.	8.

% ARSENIC 657.4 + 0.0 KEV < 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	115.	717.	0.0015	0.0001	4.3
%-ANTIMONY	564.1	85.	2820.	0.0162	0.0003	1.9
%-ARSENIC	657.4	57.	-7.	< 8.3463E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:56:01 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042F1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11688.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1730:35 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	16.	8.	21.	19.	20.	24.	20.	21.	22.
1018:	41.	51.	92.	162.	254.	221.	206.	151.	106.
1027:	71.	45.	24.	21.	13.	16.	14.	16.	14.

% COPPER 511.00 KEV 0.0017

1117:	18.	18.	20.	26.	28.	32.	30.	34.	37.
1126:	62.	245.	756.	1352.	1169.	504.	117.	18.	12.
1135:	12.	8.	15.	10.	10.	7.	8.	6.	8.

% ANTIMONY 564.09 KEV 0.0178

1301:	8.	15.	7.	11.	7.	11.	14.	11.	9.
1310:	8.	13.	10.	16.	5.	6.	5.	9.	10.
1319:	18.	9.	16.	8.	6.	12.	11.	8.	8.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	95.	1097.	0.0017	0.0001	3.3
%-ANTIMONY	564.1	73.	4132.	0.0178	0.0003	1.6
%-ARSENIC	657.4	48.	2. < 5.8172E-04		NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:56:56 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042F2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11702.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1740:49 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	14.	13.	13.	16.	14.	17.	19.	21.	29.
1018:	30.	58.	95.	135.	211.	219.	206.	176.	107.
1027:	53.	36.	26.	19.	17.	9.	23.	17.	16.

% COPPER 511.1 + 0.0 KEV 0.0016

1117:	20.	19.	20.	31.	17.	28.	22.	34.	35.
1126:	68.	213.	699.	1267.	1193.	472.	101.	24.	18.
1135:	9.	13.	10.	14.	6.	18.	17.	12.	7.

% ANTIMONY 564.1 + 0.5 KEV 0.0169

1301:	8.	14.	15.	7.	9.	8.	10.	18.	14.
1310:	15.	14.	14.	16.	9.	8.	7.	13.	10.
1319:	11.	7.	14.	7.	11.	9.	12.	13.	11.

% ARSENIC 657.4 + 0.0 KEV < 6.0831E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	107.	1042.	0.0016	0.0001	3.4
%-ANTIMONY	564.1	104.	3909.	0.0169	0.0003	1.6
%-ARSENIC	657.4	53.	9.	< 6.0831E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:57:52 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042F3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11165.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1751:04 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	13.	11.	13.	23.	22.	16.	14.	25.	19.
1018:	29.	43.	81.	145.	170.	219.	219.	155.	89.
1027:	64.	31.	23.	16.	17.	18.	13.	12.	14.

% COPPER 511.1 KEV 0.0016

1117:	9.	16.	12.	17.	20.	15.	24.	36.	33.
1126:	60.	233.	684.	1268.	1040.	430.	102.	23.	10.
1135:	11.	7.	8.	12.	9.	7.	4.	13.	13.

% ANTIMONY 564.1 KEV 0.0170

1301:	13.	10.	11.	12.	8.	4.	7.	9.	13.
1310:	9.	7.	10.	7.	11.	7.	11.	17.	8.
1319:	13.	12.	10.	5.	11.	14.	8.	6.	8.

% ARSENIC 657.4 KEV < 5.9341E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	84.	994.	0.0016	0.0001	3.4
%-ANTIMONY	564.1	69.	3748.	0.0170	0.0003	1.7
%-ARSENIC	657.4	45.	10.	< 5.9341E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:58:47 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042G1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10953.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1801:19 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	21.	18.	12.	15.	19.	21.	22.	25.	29.
1018:	34.	50.	65.	121.	169.	169.	181.	121.	61.
1027:	45.	27.	16.	15.	18.	17.	12.	13.	11.

% COPPER 511.1 + 0.0 KEV 0.0013

1117:	11.	17.	17.	13.	16.	20.	21.	34.	28.
1126:	66.	193.	723.	1164.	1056.	402.	80.	24.	8.
1135:	7.	7.	8.	12.	12.	8.	14.	10.	8.

% ANTIMONY 564.1 + 0.9 KEV 0.0166

1301:	6.	9.	10.	17.	9.	14.	7.	13.	2.
1310:	7.	8.	10.	17.	14.	15.	14.	9.	9.
1319:	8.	11.	8.	8.	11.	14.	11.	13.	13.

% ARSENIC 657.4 + 0.4 KEV < 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	104.	783.	0.0013	0.0001	4.0
%-ANTIMONY	564.1	106.	3578.	0.0166	0.0003	1.7
%-ARSENIC	657.4	58.	12. <	6.8678E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 7:59:42 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042G2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10493.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1811:34 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	19.	15.	22.	28.	24.	27.	24.	23.	32.
1018:	36.	50.	67.	125.	159.	175.	162.	100.	87.
1027:	56.	35.	23.	16.	14.	13.	18.	24.	22.

% COPPER 511.0 KEV 0.0014

1117:	18.	21.	19.	21.	29.	27.	32.	36.	39.
1126:	68.	216.	665.	1140.	944.	376.	72.	15.	19.
1135:	12.	17.	18.	12.	12.	14.	15.	22.	12.

% ANTIMONY 564.0 KEV 0.0164

1301:	8.	18.	12.	11.	17.	20.	21.	7.	6.
1310:	16.	14.	13.	10.	14.	15.	17.	12.	12.
1319:	10.	15.	12.	13.	11.	14.	13.	8.	10.

% ARSENIC 657.4 KEV < 0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	118.	757.	0.0014	0.0001	4.2
%-ANTIMONY	564.1	97.	3384.	0.0164	0.0003	1.8
%-ARSENIC	657.4	69.	0.	< 7.7816E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:00:38 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042G3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10493.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1821:47 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	19.	23.	10.	19.	19.	16.	13.	18.	20.
1018:	32.	47.	75.	120.	176.	199.	179.	120.	90.
1027:	43.	29.	26.	18.	17.	16.	14.	16.	10.

% COPPER 511.1 + 0.0 KEV 0 + 0.0165

1117:	29.	16.	19.	25.	21.	24.	30.	35.	39.
1126:	69.	206.	697.	1165.	884.	356.	62.	21.	15.
1135:	11.	9.	11.	12.	7.	12.	12.	12.	7.

% ANTIMONY 564.1 + 0.9 KEV 0 + 0.0163

1301:	13.	13.	11.	12.	7.	13.	5.	9.	7.
1310:	14.	10.	7.	7.	9.	14.	12.	8.	9.
1319:	11.	12.	9.	10.	11.	8.	6.	10.	8.

% ARSENIC 657.4 + 0.0 KEV < 0 + 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	100.	859.	0.0016	0.0001	3.8
%-ANTIMONY	564.1	71.	3368.	0.0163	0.0003	1.8
%-ARSENIC	657.4	51.	1. <	6.7842E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:01:33 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042H1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9515.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1832:02 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIM1: 70.00%

XX

1009:	18.	25.	25.	20.	24.	29.	31.	37.	31.
1018:	51.	80.	132.	192.	296.	288.	264.	191.	138.
1027:	94.	31.	29.	33.	20.	20.	15.	17.	26.

% COPPER 511.1 ± 0.0 KEV 0.0027

1117:	24.	55.	73.	60.	60.	49.	43.	42.	80.
1126:	156.	489.	1576.	2657.	2192.	876.	166.	21.	17.
1135:	12.	14.	12.	9.	15.	20.	9.	16.	11.

% ANTIMONY 564.1 ± 0.9 KEV 0.0429

1301:	16.	12.	13.	10.	14.	17.	11.	10.	8.
1310:	13.	14.	10.	11.	17.	9.	12.	7.	17.
1319:	11.	7.	9.	16.	11.	12.	10.	11.	6.

% ARSENIC 657.4 ± 0.0 KEV < 0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	135.	1366.	0.0027	0.0001	3.0
%-ANTIMONY	564.1	108.	8004.	0.0429	0.0005	1.1
%-ARSENIC	657.4	63.	-2. < 8.3274E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:02:29 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042H2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9232.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1842:17 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	26.	16.	18.	28.	23.	22.	29.	36.	39.
1018:	62.	77.	111.	178.	254.	293.	265.	203.	122.
1027:	68.	51.	34.	20.	16.	17.	17.	19.	26.

% COPPER 511.0 KEV 0.0027

1117:	-29.	49.	54.	60.	43.	42.	43.	51.	77.
1126:	139.	456.	1513.	2534.	2087.	734.	124.	19.	19.
1135:	8.	14.	10.	14.	13.	17.	15.	16.	13.

% ANTIMONY 564.1 KEV 0.0413

1301:	17.	14.	15.	9.	12.	14.	7.	11.	17.
1310:	10.	6.	12.	13.	15.	17.	16.	15.	14.
1319:	11.	9.	7.	10.	16.	12.	9.	10.	8.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	134.	1292.	0.0027	0.0001	3.1
%-ANTIMONY	564.1	111.	7476.	0.0413	0.0005	1.2
%-ARSENIC	657.4	61.	16.	< 8.4604E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:03:25 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042H3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9004.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1852:32 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	17.	30.	18.	22.	22.	29.	18.	23.	31.
1018:	37.	79.	120.	198.	251.	256.	276.	192.	126.
1027:	58.	39.	35.	28.	24.	24.	15.	13.	8.

% COPPER 511.100 KEV 0.0028

1117:	27.	49.	58.	68.	43.	30.	42.	39.	69.
1126:	124.	506.	1525.	2586.	2121.	827.	174.	25.	14.
1135:	13.	9.	14.	14.	5.	7.	15.	12.	12.

% ANTIMONY 564.09 KEV 0.0440

1301:	8.	10.	11.	11.	5.	7.	9.	5.	10.
1310:	7.	6.	12.	10.	7.	9.	9.	11.	16.
1319:	5.	14.	13.	6.	12.	4.	10.	7.	17.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	127.	1292.	0.0028	0.0001	3.1
%-ANTIMONY	564.1	106.	7757.	0.0440	0.0005	1.2
%-ARSENIC	657.4	42.	6.	< 7.3212E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:04:20 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042I1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9065.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1902:46 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	16.	13.	9.	14.	19.	19.	14.	20.	29.
1018:	23.	50.	87.	154.	193.	206.	187.	146.	93.
1027:	63.	24.	19.	11.	12.	15.	11.	10.	10.

% COPPER 511.0 KEV 0.0021

1117:	15.	17.	19.	15.	19.	14.	24.	21.	31.
1126:	59.	221.	609.	1023.	818.	359.	75.	6.	10.
1135:	13.	9.	4.	12.	7.	13.	6.	12.	10.

% ANTIMONY 564.0 KEV 0.0174

1301:	14.	9.	6.	7.	7.	11.	10.	7.	8.
1310:	6.	11.	11.	13.	6.	11.	8.	9.	10.
1319:	9.	9.	2.	6.	10.	4.	5.	11.	2.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	87.	979.	0.0021	0.0001	3.5
%-ANTIMONY	564.1	85.	3079.	0.0174	0.0003	1.9
%-ARSENIC	657.4	38.	9.	< 7.0160E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:05:16 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042I2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9745.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1913:01 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	16.	14.	13.	14.	11.	15.	14.	16.	28.
1018:	35.	42.	87.	129.	175.	208.	211.	144.	78.
1027:	38.	31.	22.	12.	18.	12.	9.	17.	16.

% COPPER 511.0 KEV U . 0019

1117:	11.	11.	22.	22.	9.	20.	20.	22.	34.
1126:	69.	202.	613.	1088.	891.	350.	69.	8.	5.
1135:	6.	10.	3.	8.	10.	2.	16.	5.	9.

% ANTIMONY 564.0 KEV U . 0019

1301:	6.	9.	4.	1.	8.	9.	8.	10.	4.
1310:	9.	10.	6.	7.	11.	9.	10.	10.	6.
1319:	8.	13.	11.	10.	12.	9.	14.	10.	5.

% ARSENIC 657.4 KEV <U . 0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	90.	942.	0.0019	0.0001	3.6
%-ANTIMONY	564.1	75.	3207.	0.0169	0.0003	1.8
%-ARSENIC	657.4	43.	-0. <	6.9378E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:06:11 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042I3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9181.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX
 *
 ACQUISITION DATE: 19JUN80 1923:15 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	21.	11.	18.	9.	10.	15.	20.	20.	30.
1018:	23.	43.	58.	77.	130.	158.	136.	89.	78.
1027:	33.	18.	16.	21.	9.	15.	13.	20.	7.

% COPPER: 511.0 KEV 0.0014

1117:	15.	12.	11.	11.	13.	21.	27.	18.	29.
1126:	58.	221.	541.	1008.	845.	326.	90.	15.	7.
1135:	6.	6.	3.	8.	12.	9.	10.	9.	11.

% ANTIMONY: 564.0 KEV 0.0169

1301:	10.	5.	12.	6.	15.	10.	4.	8.	7.
1310:	6.	9.	7.	13.	9.	13.	8.	11.	8.
1319:	7.	9.	14.	7.	8.	4.	11.	5.	4.

% ARSENIC: 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	75.	651.	0.0014	0.0001	4.4
%-ANTIMONY	564.1	75.	3014.	0.0169	0.0003	1.9
%-ARSENIC	657.4	42.	2.	< 7.2776E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:07:07 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042J1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9896.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1933:31 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	30.	23.	27.	26.	30.	15.	17.	37.	32.
1018:	37.	83.	118.	203.	256.	297.	226.	166.	103.
1027:	55.	39.	38.	23.	29.	13.	12.	20.	17.

% COPPER 511.0 KEV 0.0025

1117:	34.	52.	57.	65.	47.	46.	61.	64.	78.
1126:	179.	683.	2067.	3573.	3020.	1083.	174.	16.	9.
1135:	10.	15.	10.	7.	3.	9.	7.	10.	11.

% ANTIMONY 564.0 KEV 0.0556

1301:	5.	13.	8.	7.	11.	13.	11.	12.	7.
1310:	11.	9.	11.	8.	9.	16.	17.	10.	5.
1319:	9.	11.	9.	8.	15.	9.	8.	12.	9.

% ARSENIC 657.4 KEV <0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	134.	1235.	0.0025	0.0001	3.1
%-ANTIMONY	564.1	92.	10687.	0.0556	0.0005	1.0
%-ARSENIC	657.4	52.	9. < 7.5248E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:08:02 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042J2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9731.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1943:46 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	19.	30.	19.	27.	27.	21.	24.	29.	31.
1018:	44.	78.	90.	170.	211.	265.	204.	150.	108.
1027:	58.	35.	35.	31.	22.	16.	15.	20.	12.

% COPPER 511.1 KEV 0.0022

1117:	29.	41.	58.	74.	41.	52.	54.	72.	76.
1126:	177.	652.	1924.	3266.	2772.	1033.	193.	26.	14.
1135:	16.	4.	8.	11.	12.	10.	8.	7.	10.

% ANTIMONY 564.1 KEV 0.0526

1301:	7.	3.	6.	4.	10.	3.	10.	7.	7.
1310:	11.	7.	8.	10.	10.	13.	14.	6.	11.
1319:	9.	6.	7.	8.	6.	13.	12.	5.	5.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	134.	1064.	0.0022	0.0001	3.4
%-ANTIMONY	564.1	97.	9920.	0.0526	0.0005	1.0
%-ARSENIC	657.4	35.	20. <	6.4097E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:09:02 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042J3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9046.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1954:00 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009: 29. 20. 17. 25. 23. 22. 28. 17. 24.
 1018: 41. 54. 107. 175. 222. 258. 206. 185. 124.
 1027: 48. 41. 35. 25. 20. 18. 18. 12. 11.

% COPPER 511.0 KEV 0.0026

1117: 25. 46. 53. 47. 47. 33. 59. 69. 71.
 1126: 172. 648. 1808. 3073. 2593. 1037. 172. 26. 13.
 1135: 9. 5. 4. 8. 5. 13. 7. 11. 5.

% ANTIMONY 564.0 KEV 0.0538

1301: 3. 9. 10. 7. 11. 11. 8. 5. 6.
 1310: 6. 10. 5. 1. 8. 13. 8. 13. 9.
 1319: 15. 7. 5. 10. 8. 6. 11. 8. 3.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	117.	1160.	0.0026	0.0001	3.2
%-ANTIMONY	564.1	87.	9416.	0.0538	0.0006	1.0
%-ARSENIC	657.4	46.	-16. < 7.8099E-04			NOT DETECTABLE

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 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:10:04 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042K1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8451.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2004:15 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	30.	38.	33.	33.	29.	29.	26.	48.	49.
1018:	65.	104.	180.	260.	351.	435.	379.	257.	169.
1027:	108.	53.	41.	24.	32.	22.	17.	29.	29.

% COPPER 511.0 KEV U . 0045

1117:	57.	130.	139.	148.	91.	71.	69.	99.	142.
1126:	271.	992.	3057.	5186.	4311.	1672.	304.	50.	11.
1135:	12.	13.	19.	11.	15.	4.	7.	13.	14.

% ANTIMONY 564.0 KEV U . 0959

1301:	7.	6.	8.	7.	19.	6.	13.	7.	5.
1310:	16.	7.	11.	9.	13.	15.	23.	9.	10.
1319:	14.	14.	8.	13.	9.	8.	6.	13.	7.

% ARSENIC 657.4 KEV < U . 0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	187.	1844.	0.0045	0.0001	2.6
%-ANTIMONY	564.1	135.	15658.	0.0959	0.0008	0.8
%-ARSENIC	657.4	48.	24.	< 8.5656E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:11:00 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042K2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8691.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX
 *
 ACQUISITION DATE: 19JUN80 2014:30 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	30.	44.	25.	41.	34.	38.	45.	42.	47.
1018:	66.	93.	175.	299.	366.	446.	416.	275.	201.
1027:	100.	74.	36.	45.	22.	34.	41.	25.	32.

% COPPER 511.0 KEV U . 0047

1117:	59.	101.	157.	127.	91.	74.	64.	106.	132.
1126:	271.	1033.	3274.	5556.	4416.	1760.	344.	40.	20.
1135:	18.	16.	16.	15.	10.	15.	12.	17.	13.

% ANTIMONY 564.1 KEV U . 0985

1301:	14.	12.	5.	9.	13.	11.	13.	16.	11.
1310:	14.	15.	12.	17.	21.	23.	21.	14.	24.
1319:	20.	11.	11.	10.	10.	11.	8.	12.	8.

% ARSENIC 657.4 KEV U . 0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	214.	1964.	0.0047	0.0001	2.5
%-ANTIMONY	564.1	155.	16499.	0.0985	0.0008	0.8
%-ARSENIC	657.4	51.	52.	0.0013	0.0003	23.6

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:11:56 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042K3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8150.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2024:49 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	29.	28.	29.	36.	25.	33.	44.	36.	58.
1018:	62.	100.	189.	297.	398.	403.	398.	279.	199.
1027:	89.	60.	51.	32.	17.	24.	20.	24.	28.

% COPPER 511.0 KEV 0.0051

1117:	62.	91.	134.	145.	90.	75.	69.	89.	131.
1126:	296.	980.	3086.	5162.	4258.	1633.	265.	46.	14.
1135:	19.	20.	13.	17.	8.	11.	15.	8.	15.

% ANTIMONY 564.0 KEV 0.0992

1301:	8.	11.	10.	12.	11.	9.	13.	7.	8.
1310:	14.	13.	8.	11.	19.	20.	14.	15.	17.
1319:	12.	13.	11.	13.	14.	12.	7.	12.	11.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	204.	1959.	0.0051	0.0001	2.5
%-ANTIMONY	564.1	127.	15553.	0.0992	0.0008	0.8
%-ARSENIC	657.4	56.	29. <	9.6313E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:12:53 AM XXXXXXXXXXXXXXXXXXXX
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00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042L1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9527.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2035:06 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	14.	17.	9.	21.	17.	16.	14.	21.	18.
1018:	33.	31.	66.	111.	133.	130.	108.	119.	54.
1027:	40.	20.	27.	15.	14.	13.	10.	13.	22.

% COPPER 511.0 KEV 0.0014

1117:	15.	18.	16.	23.	13.	24.	23.	28.	37.
1126:	64.	158.	539.	853.	793.	310.	65.	15.	18.
1135:	5.	13.	13.	12.	16.	9.	17.	6.	13.

% ANTIMONY 564.0 KEV 0.0147

1301:	7.	13.	7.	11.	6.	12.	13.	9.	7.
1310:	9.	15.	9.	13.	8.	9.	15.	13.	12.
1319:	9.	15.	8.	6.	11.	10.	13.	6.	10.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	110.	611.	0.0014	0.0001	4.7
%-ANTIMONY	564.1	83.	2699.	0.0147	0.0003	2.0
%-ARSENIC	657.4	48.	7.	< 7.7018E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:13:49 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042L2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9153.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2045:21 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	12.	16.	16.	14.	19.	17.	17.	14.	27.
1018:	28.	34.	63.	105.	116.	127.	108.	75.	64.
1027:	44.	26.	22.	15.	9.	16.	12.	10.	13.

% COPPER 511.0 KEV 0.0013

1117:	11.	18.	15.	16.	25.	19.	28.	21.	36.
1126:	56.	169.	497.	884.	671.	254.	47.	19.	10.
1135:	9.	12.	14.	12.	17.	12.	12.	15.	14.

% ANTIMONY 564.0 KEV 0.0142

1301:	13.	13.	11.	13.	10.	10.	10.	9.	9.
1310:	11.	11.	9.	9.	6.	7.	18.	16.	10.
1319:	10.	10.	7.	8.	13.	13.	7.	15.	8.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	88.	570.	0.0013	0.0001	4.8
%-ANTIMONY	564.1	86.	2492.	0.0142	0.0003	2.1
%-ARSENIC	657.4	57.	0.	< 8.7255E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:14:50 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042L3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9511.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2055:36 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	28.	17.	26.	15.	24.	18.	19.	17.	22.
1018:	28.	41.	56.	107.	113.	156.	127.	108.	72.
1027:	41.	21.	30.	12.	23.	17.	12.	18.	14.

* COPPER 511.100 KEV 0.0015

1117:	11.	20.	14.	14.	23.	22.	23.	29.	43.
1126:	49.	179.	523.	872.	763.	334.	67.	20.	16.
1135:	7.	9.	19.	15.	16.	14.	9.	21.	10.

* ANTIMONY 564.109 KEV 0.0146

1301:	13.	7.	16.	9.	11.	11.	12.	12.	24.
1310:	9.	12.	23.	8.	11.	10.	11.	16.	15.
1319:	8.	8.	8.	13.	16.	13.	10.	7.	10.

* ARSENIC 657.40 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	102.	638.	0.0015	0.0001	4.6
%-ANTIMONY	564.1	125.	2662.	0.0146	0.0003	2.0
%-ARSENIC	657.4	57.	7.	< 8.4350E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:15:50 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042M1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8544.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2105:51 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	27.	27.	26.	29.	34.	37.	37.	48.	55.
1018:	60.	106.	168.	289.	364.	409.	372.	238.	178.
1027:	94.	57.	49.	33.	25.	22.	30.	20.	21.

% COPPER 511.0 KEV 0.0047

1117:	60.	107.	152.	136.	81.	62.	69.	81.	143.
1126:	292.	1037.	3164.	5140.	4253.	1609.	307.	38.	16.
1135:	19.	18.	5.	14.	10.	13.	10.	14.	12.

% ANTIMONY 564.0 KEV 0.0060

1301:	11.	9.	13.	10.	10.	8.	8.	13.	10.
1310:	8.	16.	14.	16.	25.	24.	25.	12.	12.
1319:	8.	11.	15.	12.	5.	8.	8.	8.	8.

% ARSENIC 657.4 KEV 0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	184.	1834.	0.0047	0.0001	2.6
%-ANTIMONY	564.1	128.	15674.	0.0960	0.0008	0.8
%-ARSENIC	657.4	46.	58.	0.0015	0.0003	20.9

XX
 XXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:16:46 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042M2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8506.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2116:09 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	32.	21.	24.	27.	32.	43.	37.	33.	41.
1018:	68.	128.	186.	286.	399.	415.	388.	290.	170.
1027:	99.	62.	40.	40.	29.	26.	24.	28.	25.

% COPPER 511.100 KEV 0.0051

1117:	53.	110.	128.	140.	99.	67.	82.	87.	118.
1126:	267.	1078.	3184.	5219.	4051.	1575.	291.	21.	20.
1135:	11.	18.	15.	7.	17.	11.	10.	15.	7.

% ANTIMONY 564.09 KEV 0.0958

1301:	16.	7.	12.	12.	11.	7.	10.	7.	5.
1310:	11.	11.	10.	20.	13.	27.	14.	14.	11.
1319:	11.	12.	5.	8.	6.	16.	12.	10.	11.

% ARSENIC 657.40 KEV 0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	182.	1952.	0.0051	0.0001	2.5
%-ANTIMONY	564.1	124.	15541.	0.0958	0.0008	0.8
%-ARSENIC	657.4	51.	37.	9.4761E-04	2.9748E-04	31.4

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:17:43 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042M3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8569.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2126:24 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	30.	27.	40.	39.	30.	30.	40.	47.	58.
1018:	63.	103.	172.	258.	352.	385.	360.	269.	171.
1027:	91.	51.	42.	41.	24.	34.	23.	24.	16.

% COPPER 511.0 KEV 0.0047

1117:	49.	119.	146.	130.	116.	77.	77.	87.	154.
1126:	269.	1016.	3088.	5261.	4273.	1667.	283.	44.	14.
1135:	13.	12.	16.	13.	14.	16.	8.	21.	11.

% ANTIMONY 564.1 KEV 0.0964

1301:	9.	8.	14.	10.	8.	7.	10.	11.	13.
1310:	9.	9.	9.	9.	17.	22.	19.	15.	8.
1319:	8.	10.	15.	16.	11.	8.	9.	18.	11.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	178.	1789.	0.0047	0.0001	2.6
%-ANTIMONY	564.1	138.	15719.	0.0964	0.0008	0.8
%-ARSENIC	657.4	55.	28. <	9.3325E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:18:38 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042N1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8886.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2136:43 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	22.	31.	43.	29.	29.	40.	36.	35.	63.
1018:	76.	100.	177.	313.	371.	437.	438.	241.	157.
1027:	114.	66.	51.	33.	32.	28.	30.	23.	19.

% COPPER 511.1 + 0.0 KEV 0.0049

1117:	57.	100.	165.	158.	107.	66.	83.	98.	147.
1126:	285.	1080.	3463.	5940.	4771.	1773.	352.	33.	9.
1135:	16.	15.	11.	13.	13.	18.	11.	11.	7.

% ANTIMONY 564.1 + 0.9 KEV 0.1037

1301:	16.	13.	9.	9.	14.	12.	16.	11.	17.
1310:	11.	9.	12.	13.	15.	20.	22.	16.	4.
1319:	15.	11.	11.	11.	4.	11.	16.	3.	7.

% ARSENIC 657.4 + 4.0 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	207.	1927.	0.0049	0.0001	2.5
%-ANTIMONY	564.1	151.	17513.	0.1037	0.0008	0.8
%-ARSENIC	657.4	51.	35.	< 8.7669E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:19:34 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042N2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8725.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2147:02 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	21.	29.	24.	23.	36.	32.	34.	39.	33.
1018:	64.	81.	186.	275.	365.	407.	364.	247.	157.
1027:	92.	50.	51.	31.	36.	30.	24.	12.	24.

% COPPER 511.0 KEV 0.0048

1117:	52.	98.	149.	134.	89.	73.	70.	110.	114.
1126:	282.	940.	3181.	5314.	4327.	1657.	302.	27.	12.
1135:	16.	12.	13.	12.	2.	13.	13.	7.	15.

% ANTIMONY 564.0 KEV 0.0059

1301:	12.	7.	6.	4.	7.	9.	6.	10.	9.
1310:	7.	9.	10.	8.	14.	22.	15.	19.	9.
1319:	9.	9.	12.	9.	6.	6.	8.	7.	9.

% ARSENIC 657.4 KEV 0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	183.	1818.	0.0048	0.0001	2.6
%-ANTIMONY	564.1	127.	15876.	0.0059	0.0008	0.8
%-ARSENIC	657.4	35.	45.	0.0011	0.0003	24.0

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:20:33 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042N3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8427.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2157:17 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	36.	19.	22.	27.	29.	29.	23.	34.	38.
1018:	55.	89.	157.	241.	328.	378.	353.	267.	134.
1027:	83.	44.	50.	28.	23.	11.	21.	20.	25.

% COPPER 511.0 KEV 0.0047

1117:	40.	85.	134.	132.	98.	72.	79.	88.	105.
1126:	244.	946.	2996.	5043.	4132.	1581.	259.	38.	8.
1135:	9.	8.	16.	12.	18.	10.	6.	10.	12.

% ANTIMONY 564.0 KEV 0.0946

1301:	7.	9.	16.	7.	8.	12.	5.	7.	4.
1310:	14.	6.	9.	12.	14.	17.	19.	12.	15.
1319:	11.	8.	5.	12.	9.	7.	8.	4.	10.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	153.	1705.	0.0047	0.0001	2.6
%-ANTIMONY	564.1	116.	15086.	0.0946	0.0008	0.8
%-ARSENIC	657.4	46.	31.	< 8.8946E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:21:28 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U104201
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8605.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2207:31 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	7.	12.	14.	7.	12.	11.	9.	10.	13.
1018:	24.	38.	50.	62.	120.	118.	107.	74.	41.
1027:	32.	15.	20.	18.	11.	11.	9.	4.	4.

% COPPER 511.0 KEV 0.0014

1117:	13.	6.	10.	16.	13.	9.	13.	21.	25.
1126:	38.	147.	429.	742.	631.	242.	41.	8.	10.
1135:	8.	3.	9.	9.	8.	11.	5.	5.	8.

% ANTIMONY 564.4 KEV 0.0136

1301:	9.	11.	9.	8.	6.	6.	13.	5.	6.
1310:	5.	8.	9.	4.	7.	4.	5.	8.	6.
1319:	8.	6.	8.	15.	10.	2.	7.	9.	8.

% ARSENIC 657.4 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	61.	511.	0.0014	0.0001	4.9
%-ANTIMONY	564.1	53.	2218.	0.0136	0.0003	2.2
%-ARSENIC	657.4	42.	-10.	< 8.3456E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:22:24 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U104202
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8765.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 2217:46 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009: 9. 16. 13. 15. 3. 19. 18. 9. 30.
 1018: 21. 32. 56. 88. 112. 116. 116. 85. 49.
 1027: 32. 20. 24. 12. 15. 6. 11. 10. 10.

% COPPER 511.0 KEV 0.0015

1117: 12. 14. 11. 19. 14. 13. 13. 14. 22.
 1126: 58. 150. 505. 804. 660. 265. 56. 10. 8.
 1135: 9. 6. 11. 8. 9. 8. 11. 7. 9.

% ANTIMONY 564.0 KEV 0.0147

1301: 10. 7. 10. 8. 8. 5. 11. 8. 10.
 1310: 11. 7. 8. 10. 8. 7. 9. 7. 8.
 1319: 7. 5. 8. 13. 12. 5. 5. 9. 2.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	73.	549.	0.0015	0.0001	4.8
%-ANTIMONY	564.1	62.	2436.	0.0147	0.0003	2.1
%-ARSENIC	657.4	41.	1. <	8.1846E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:23:21 AM XXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q104203
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9320.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2228:00 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	11.	10.	12.	9.	17.	14.	18.	21.	21.
1018:	41.	47.	67.	107.	159.	177.	174.	129.	78.
1027:	47.	35.	17.	14.	18.	8.	19.	13.	12.

% COPPER 511.0 KEV 0.0021

1117:	14.	13.	21.	14.	15.	23.	18.	20.	23.
1126:	38.	166.	493.	801.	710.	268.	63.	8.	10.
1135:	11.	12.	11.	8.	12.	4.	7.	11.	6.

% ANTIMONY 564.0 KEV 0.0140

1301:	13.	10.	14.	8.	3.	5.	9.	9.	11.
1310:	9.	8.	4.	8.	11.	18.	6.	6.	7.
1319:	11.	8.	13.	7.	11.	8.	9.	9.	14.

% ARSENIC 657.4 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	78.	813.	0.0021	0.0001	3.8
%-ANTIMONY	564.1	75.	2464.	0.0140	0.0003	2.1
%-ARSENIC	657.4	42.	-2. < 7.8178E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:24:17 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042P1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8437.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2238:16 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	9.	7.	14.	6.	15.	12.	19.	9.	14.
1018:	22.	34.	59.	100.	123.	133.	129.	82.	62.
1027:	32.	18.	17.	10.	9.	10.	10.	12.	9.

% COPPER 511.0 KEV 0.0018

1117:	13.	15.	10.	12.	13.	16.	14.	14.	20.
1126:	48.	127.	436.	740.	630.	211.	50.	8.	4.
1135:	2.	7.	13.	8.	11.	4.	5.	7.	11.

% ANTIMONY 564.4 KEV 0.0138

1301:	6.	7.	8.	11.	5.	2.	7.	5.	7.
1310:	11.	9.	9.	8.	12.	6.	9.	9.	8.
1319:	12.	8.	7.	9.	9.	9.	6.	8.	8.

% ARSENIC 657.4 KEV < 0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	69.	619.	0.0018	0.0001	4.5
%-ANTIMONY	564.1	53.	2190.	0.0138	0.0003	2.2
%-ARSENIC	657.4	37.	7.	< 8.1862E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:25:14 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042F2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8774.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2248:30 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	15.	19.	12.	11.	15.	14.	12.	10.	18.
1018:	19.	34.	57.	72.	90.	125.	106.	82.	52.
1027:	29.	12.	16.	16.	18.	7.	17.	13.	6.

% COPPER 511.0 + 0.0 KEV 0.0014

1117:	16.	15.	15.	11.	13.	21.	15.	20.	14.
1126:	42.	161.	451.	821.	634.	240.	58.	10.	8.
1135:	13.	7.	5.	10.	13.	6.	8.	12.	9.

% ANTIMONY 564.0 + 0.0 KEV 0.0142

1301:	8.	5.	10.	8.	12.	11.	9.	5.	12.
1310:	2.	3.	7.	5.	4.	12.	5.	7.	11.
1319:	5.	6.	7.	7.	7.	8.	7.	8.	4.

% ARSENIC 657.4 + 0.0 KEV < 0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	70.	514.	0.0014	0.0001	5.0
%-ANTIMONY	564.1	69.	2338.	0.0142	0.0003	2.1
%-ARSENIC	657.4	42.	-2. < 8.3335E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:26:10 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042P3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7724.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2258:44 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	15.	10.	17.	20.	13.	17.	14.	17.	17.
1018:	36.	42.	89.	119.	169.	195.	174.	107.	80.
1027:	42.	23.	17.	18.	10.	13.	9.	17.	13.

% COPPER 511.0 KEV 0.0027

1117:	10.	20.	8.	13.	16.	18.	19.	13.	20.
1126:	44.	144.	399.	686.	598.	201.	48.	15.	12.
1135:	12.	8.	10.	6.	15.	9.	12.	4.	7.

% ANTIMONY 564.0 KEV 0.0142

1301:	3.	8.	9.	11.	7.	7.	10.	4.	5.
1310:	6.	10.	6.	6.	6.	8.	7.	8.	8.
1319:	3.	5.	5.	10.	11.	9.	6.	6.	9.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	81.	853.	0.0027	0.0001	3.7
%-ANTIMONY	564.1	60.	2060.	0.0142	0.0003	2.3
%-ARSENIC	657.4	42.	-8.	< 9.5614E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:27:05 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042Q1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8828.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2308:59 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	10.	7.	9.	5.	15.	9.	12.	12.	18.
1018:	21.	27.	51.	81.	112.	116.	133.	89.	50.
1027:	32.	16.	11.	10.	12.	12.	11.	6.	9.

% COPPER 511.0 KEV 0.0016

1117:	15.	8.	5.	13.	11.	13.	14.	23.	31.
1126:	47.	195.	566.	930.	772.	265.	46.	12.	6.
1135:	0.	6.	13.	9.	11.	3.	7.	8.	8.

% ANTIMONY 564.0 KEV 0.0168

1301:	8.	6.	10.	4.	2.	12.	6.	6.	8.
1310:	3.	4.	7.	5.	5.	1.	3.	4.	6.
1319:	9.	4.	7.	7.	4.	6.	5.	5.	2.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	62.	570.	0.0016	0.0001	4.6
%-ANTIMONY	564.1	47.	2774.	0.0168	0.0003	1.9
%-ARSENIC	657.4	31.	-9.	< 72636E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:28:01 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042Q2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8373.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 19JUN80 2319:13 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	12.	8.	6.	9.	8.	10.	10.	15.	18.
1018:	20.	30.	55.	100.	111.	127.	112.	89.	60.
1027:	35.	23.	15.	8.	5.	9.	10.	4.	9.

% COPPER 511.0 KEV 0.0018

1117:	11.	11.	14.	14.	23.	12.	19.	24.	24.
1126:	54.	175.	554.	916.	746.	276.	63.	10.	5.
1135:	3.	6.	7.	6.	4.	9.	7.	6.	3.

% ANTIMONY 564.1 KEV 0.0175

1301:	6.	6.	6.	6.	8.	6.	5.	7.	4.
1310:	4.	3.	6.	9.	5.	4.	3.	5.	2.
1319:	6.	5.	4.	4.	4.	7.	7.	5.	4.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	55.	599.	0.0018	0.0001	4.5
%-ANTIMONY	564.1	48.	2736.	0.0175	0.0003	1.9
%-ARSENIC	657.4	30.	-2. < 7.5778E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:28:56 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042Q3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9139.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 19JUN80 2329:28 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	11.	14.	9.	10.	10.	10.	17.	8.	17.
1018:	17.	34.	56.	87.	131.	137.	123.	104.	55.
1027:	39.	23.	9.	14.	7.	7.	12.	8.	10.

% COPPER 511.0 KEV 0.0017

1117:	11.	14.	14.	11.	8.	11.	16.	33.	23.
1126:	58.	196.	580.	994.	808.	343.	60.	13.	3.
1135:	4.	8.	7.	4.	6.	3.	7.	6.	5.

% ANTIMONY 564.0 KEV 0.0176

1301:	7.	7.	8.	6.	6.	6.	4.	7.	6.
1310:	6.	4.	4.	7.	2.	7.	6.	1.	7.
1319:	6.	6.	6.	4.	2.	3.	7.	5.	7.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	59.	634.	0.0017	0.0001	4.3
%-ANTIMONY	564.1	46.	2993.	0.0176	0.0003	1.9
%-ARSENIC	657.4	27.	-1. < 6.7012E-04		NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:29:52 AM XXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042R1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 6895.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2339:44 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	9.	5.	10.	9.	11.	11.	12.	16.	28.
1018:	34.	58.	68.	114.	193.	213.	198.	141.	85.
1027:	57.	30.	9.	16.	10.	5.	8.	6.	9.

% COPPER 511.1 + 0.0 KEV 0.0035

1117:	8.	7.	20.	13.	16.	12.	23.	12.	25.
1126:	37.	163.	425.	639.	522.	216.	39.	12.	4.
1135:	7.	6.	3.	5.	8.	3.	7.	7.	8.

% ANTIMONY 564.1 + 0.5 KEV 0.0155

1301:	8.	6.	5.	10.	7.	5.	7.	9.	5.
1310:	5.	5.	4.	2.	11.	7.	4.	6.	5.
1319:	5.	5.	6.	4.	6.	5.	8.	5.	5.

% ARSENIC 657.4 + 0.0 KEV < 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	60.	953.	0.0035	0.0001	3.4
%-ANTIMONY	564.1	50.	1991.	0.0155	0.0004	2.3
%-ARSENIC	657.4	31.	-4.	< 9.4264E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:30:47 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042R2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 6364.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2349:58 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	9.	9.	10.	7.	8.	7.	9.	15.	15.
1018:	21.	22.	37.	54.	63.	90.	79.	71.	41.
1027:	9.	12.	16.	12.	16.	10.	10.	10.	7.

% COPPER 511.0 KEV 0.0015

1117:	9.	6.	10.	11.	14.	13.	9.	12.	17.
1126:	42.	141.	388.	604.	543.	194.	34.	13.	4.
1135:	2.	6.	5.	9.	3.	6.	8.	8.	6.

% ANTIMONY 564.1 KEV 0.0161

1301:	3.	6.	4.	8.	5.	3.	14.	7.	10.
1310:	10.	5.	4.	7.	6.	5.	4.	5.	6.
1319:	5.	3.	3.	5.	6.	3.	5.	3.	7.

% ARSENIC 657.4 KEV < 9.2109E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	60.	375.	0.0015	0.0001	5.9
%-ANTIMONY	564.1	48.	1898.	0.0161	0.0004	2.4
%-ARSENIC	657.4	24.	3.	< 9.2109E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:31:42 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042R3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 6933.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 0:13 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	12.	8.	5.	12.	13.	14.	10.	10.	17.
1018:	10.	42.	43.	56.	84.	84.	69.	55.	41.
1027:	26.	12.	12.	10.	7.	3.	6.	6.	15.

% COPPER 511.0 KEV 0.0013

1117:	15.	14.	14.	14.	14.	11.	18.	19.	16.
1126:	36.	156.	485.	812.	695.	226.	35.	13.	3.
1135:	5.	7.	4.	5.	8.	6.	7.	5.	4.

% ANTIMONY 564.0 KEV 0.0187

1301:	5.	6.	4.	4.	4.	5.	5.	5.	4.
1310:	9.	7.	4.	3.	3.	6.	2.	10.	8.
1319:	4.	4.	7.	8.	6.	5.	6.	5.	2.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	75.	358.	0.0013	0.0001	6.3
%-ANTIMONY	564.1	44.	2401.	0.0187	0.0004	2.1
%-ARSENIC	657.4	27.	-4.	< 8.8786E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:32:38 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

0061000/ RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042S1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7962.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 10:27 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	9.	11.	4.	16.	12.	4.	12.	23.	17.
1018:	20.	33.	50.	88.	88.	106.	109.	72.	52.
1027:	21.	17.	21.	10.	9.	12.	7.	10.	8.

% COPPER 511.0 KEV 0.0016

1117:	18.	10.	20.	10.	23.	13.	15.	23.	30.
1126:	46.	197.	564.	1003.	842.	307.	51.	21.	9.
1135:	6.	1.	11.	3.	6.	3.	5.	8.	5.

% ANTIMONY 564.0 KEV 0.0200

1301:	6.	7.	7.	9.	4.	6.	1.	5.	3.
1310:	9.	5.	7.	7.	7.	6.	3.	3.	6.
1319:	3.	1.	4.	6.	1.	3.	5.	5.	7.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	67.	498.	0.0016	0.0001	5.1
%-ANTIMONY	564.1	63.	2947.	0.0200	0.0004	1.9
%-ARSENIC	657.4	27.	5.	< 7.7660E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:33:33 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042S2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8178.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 20:42 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NET ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	11.	9.	13.	7.	10.	10.	12.	9.	16.
1018:	30.	35.	43.	66.	98.	120.	101.	78.	46.
1027:	36.	18.	9.	9.	10.	10.	7.	10.	9.

% COPPER 511.0 KEV 0.0015

1117:	24.	13.	10.	11.	7.	14.	24.	21.	18.
1126:	57.	189.	639.	1045.	872.	311.	53.	12.	4.
1135:	2.	4.	10.	3.	7.	7.	10.	6.	9.

% ANTIMONY 564.0 KEV 0.0206

1301:	8.	8.	4.	9.	10.	7.	6.	7.	9.
1310:	3.	5.	10.	8.	11.	15.	7.	8.	8.
1319:	6.	6.	2.	11.	8.	14.	2.	11.	5.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	73.	479.	0.0015	0.0001	5.2
%-ANTIMONY	564.1	55.	3111.	0.0206	0.0004	1.8
%-ARSENIC	657.4	42.	9.	< 9.3615E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:34:29 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042S3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7686.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 30:57 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	11.	15.	10.	9.	12.	8.	16.	12.	11.
1018:	25.	28.	49.	73.	118.	121.	108.	75.	54.
1027:	27.	16.	15.	8.	10.	8.	7.	10.	8.

% COPPER 511.1 ± 0.0 KEV 0.0018

1117:	10.	14.	16.	20.	18.	20.	23.	15.	23.
1126:	52.	160.	547.	963.	759.	299.	65.	6.	8.
1135:	3.	6.	4.	7.	6.	5.	8.	5.	6.

% ANTIMONY 564.1 ± 0.5 KEV 0.0197

1301:	7.	4.	9.	4.	6.	3.	4.	5.	9.
1310:	5.	4.	6.	6.	3.	7.	9.	7.	9.
1319:	11.	11.	3.	5.	8.	7.	8.	3.	8.

% ARSENIC 657.4 ± 0.0 KEV < 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	71.	527.	0.0018	0.0001	4.9
%-ANTIMONY	564.1	50.	2795.	0.0197	0.0004	1.9
%-ARSENIC	657.4	29.	7.	< 8.3878E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:35:24 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042T1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8036.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 41:11 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	6.	13.	8.	10.	10.	8.	7.	12.	13.
1018:	21.	29.	51.	51.	108.	95.	100.	72.	47.
1027:	23.	12.	8.	8.	9.	10.	8.	10.	6.

% COPPER 511.0 KEV 0.0016

1117:	8.	12.	15.	14.	10.	15.	15.	18.	18.
1126:	43.	155.	451.	756.	574.	229.	52.	8.	14.
1135:	7.	8.	7.	6.	8.	7.	7.	3.	4.

% ANTIMONY 564.0 KEV 0.0150

1301:	9.	8.	4.	9.	4.	3.	6.	7.	6.
1310:	9.	5.	2.	5.	7.	6.	9.	3.	3.
1319:	9.	3.	2.	10.	6.	4.	4.	5.	6.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	51.	473.	0.0016	0.0001	5.1
%-ANTIMONY	564.1	44.	2216.	0.0150	0.0003	2.2
%-ARSENIC	657.4	29.	2.	< 8.0586E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:36:20 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042T2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7756.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 51:26 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	2.	11.	8.	13.	15.	9.	17.	15.	22.
1018:	25.	27.	42.	65.	83.	96.	71.	61.	41.
1027:	29.	13.	12.	9.	13.	12.	6.	9.	4.

% COPPER 511.0 KEV 0.0014

1117:	8.	12.	10.	19.	14.	13.	9.	18.	19.
1126:	37.	143.	438.	730.	654.	216.	46.	14.	8.
1135:	7.	7.	9.	7.	5.	4.	8.	2.	7.

% ANTIMONY 564.0 KEV 0.0156

1301:	5.	3.	7.	5.	7.	6.	6.	5.	5.
1310:	8.	9.	5.	10.	5.	7.	6.	7.	9.
1319:	12.	9.	6.	5.	5.	12.	5.	4.	5.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	57.	402.	0.0014	0.0001	5.7
%-ANTIMONY	564.1	50.	2214.	0.0156	0.0003	2.2
%-ARSENIC	657.4	30.	7.	< 8.5187E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:37:15 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042T3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7725.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 101:40 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	13.	10.	6.	10.	4.	13.	12.	14.	17.
1018:	21.	20.	33.	63.	61.	90.	82.	56.	39.
1027:	16.	13.	15.	11.	7.	10.	7.	7.	4.

% COPPER 511.0 KEV U . 0 0 1 3

1117:	11.	6.	9.	16.	15.	12.	16.	17.	30.
1126:	42.	147.	445.	751.	640.	226.	56.	6.	3.
1135:	9.	8.	4.	3.	6.	3.	8.	2.	5.

% ANTIMONY 564.1 KEV U . 0 1 6 0

1301:	2.	7.	4.	6.	4.	5.	5.	6.	8.
1310:	5.	4.	2.	4.	5.	3.	8.	6.	5.
1319:	5.	5.	10.	5.	3.	7.	4.	8.	6.

% ARSENIC 657.4 KEV < 0 . 0 0 0 3

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	47.	377.	0.0013	0.0001	5.8
%-ANTIMONY	564.1	46.	2261.	0.0160	0.0003	2.1
%-ARSENIC	657.4	27.	0.	< 8.1863E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:38:11 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042U1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7938.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 111:54 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	27.	19.	25.	19.	16.	19.	30.	24.	42.
1018:	56.	83.	118.	161.	252.	259.	245.	198.	124.
1027:	69.	38.	31.	25.	21.	22.	21.	19.	18.

% COPPER 511.0 TO 1000 KEV 0.0042

1117:	49.	78.	120.	94.	86.	64.	74.	87.	100.
1126:	250.	936.	2581.	4429.	3624.	1423.	263.	34.	9.
1135:	9.	8.	15.	8.	5.	12.	7.	8.	6.

% ANTIMONY 564.0 TO 1000 KEV 0.0924

1301:	5.	9.	9.	9.	7.	7.	5.	6.	12.
1310:	8.	6.	6.	9.	8.	8.	12.	10.	4.
1319:	6.	5.	7.	6.	7.	9.	3.	7.	3.

% ARSENIC 657.0 TO 1000 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	146.	1211.	0.0042	0.0001	3.2
%-ANTIMONY	564.1	87.	13419.	0.0924	0.0008	0.9
%-ARSENIC	657.4	37.	11.	< 9.2506E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:39:06 AM XXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042U2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8735.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 122:09 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	26.	27.	32.	24.	18.	24.	35.	23.	40.
1018:	42.	84.	111.	207.	260.	306.	284.	209.	121.
1027:	76.	53.	36.	30.	30.	32.	17.	20.	14.

% COPPER 511.0 KEV 0.0043

1117:	52.	72.	115.	111.	79.	79.	62.	76.	95.
1126:	256.	903.	2838.	4850.	3874.	1541.	272.	27.	6.
1135:	11.	9.	7.	10.	12.	11.	9.	8.	5.

% ANTIMONY 564.0 KEV 0.0905

1301:	6.	7.	6.	13.	13.	12.	11.	3.	7.
1310:	10.	6.	7.	12.	8.	20.	14.	14.	7.
1319:	6.	7.	8.	9.	9.	9.	9.	7.	8.

% ARSENIC 657.4 KEV <0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	147.	1351.	0.0043	0.0001	3.0
%-ANTIMONY	564.1	97.	14437.	0.0905	0.0008	0.8
%-ARSENIC	657.4	47.	21. < 9.4823E-04		NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:40:02 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042U3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8413.000 UNITS: UG
 SAMPLE GEOMETRY: RTS 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 132:24 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	18.	33.	39.	27.	18.	24.	22.	34.	36.
1018:	48.	74.	111.	214.	240.	289.	294.	209.	124.
1027:	74.	43.	35.	22.	21.	29.	16.	15.	16.

% COPPER 511.0 KEV 0.0045

1117:	42.	79.	133.	123.	82.	53.	50.	68.	99.
1126:	241.	896.	2905.	4849.	3901.	1465.	260.	23.	7.
1135:	10.	10.	15.	7.	4.	6.	12.	7.	12.

% ANTIMONY 564.0 KEV 0.0941

1301:	3.	11.	6.	10.	7.	7.	6.	10.	3.
1310:	6.	11.	8.	4.	15.	14.	16.	5.	7.
1319:	8.	10.	7.	7.	7.	6.	11.	8.	6.

% ARSENIC 657.4 KEV < 9.1835E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	138.	1343.	0.0045	0.0001	3.0
%-ANTIMONY	564.1	84.	14433.	0.0941	0.0008	0.8
%-ARSENIC	657.4	40.	17.	< 9.1835E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:40:58 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042V1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9139.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 142:38 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	9.	8.	8.	9.	7.	9.	11.	21.	16.
1018:	22.	25.	41.	66.	111.	129.	128.	92.	63.
1027:	29.	18.	10.	10.	7.	12.	8.	12.	7.

% COPPER 511.0 KEV 0.0017

1117:	15.	15.	10.	18.	16.	18.	25.	19.	30.
1126:	50.	172.	555.	1007.	908.	384.	71.	10.	5.
1135:	6.	3.	4.	2.	4.	5.	7.	5.	12.

% ANTIMONY 564.0 KEV 0.0186

1301:	3.	6.	5.	7.	5.	5.	6.	4.	5.
1310:	4.	2.	5.	10.	5.	6.	6.	6.	3.
1319:	4.	4.	11.	7.	8.	6.	4.	7.	4.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	66.	564.	0.0017	0.0001	4.7
%-ANTIMONY	564.1	48.	3099.	0.0186	0.0003	1.8
%-ARSENIC	657.4	30.	3. < 7.4503E-04		NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:41:54 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042V2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9186.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 152:53 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	9.	9.	11.	12.	7.	10.	11.	10.	20.
1018:	17.	25.	46.	68.	115.	123.	128.	106.	72.
1027:	35.	19.	11.	9.	7.	6.	9.	9.	11.

% COPPER 511.1 ± 0.0 KEV 0.0015%

1117:	7.	10.	9.	16.	21.	11.	15.	28.	31.
1126:	41.	162.	513.	1026.	995.	450.	89.	16.	7.
1135:	3.	7.	8.	1.	6.	7.	6.	9.	0.

% ANTIMONY 564.0 KEV 0.0154%

1301:	0.	3.	5.	7.	3.	6.	10.	5.	9.
1310:	11.	8.	3.	4.	8.	6.	7.	2.	7.
1319:	7.	3.	5.	7.	6.	8.	4.	2.	4.

% ARSENIC 657.4 KEV <0.0007%

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	61.	597.	0.0019	0.0001	4.5
%-ANTIMONY	564.1	42.	3234.	0.0194	0.0003	1.8
%-ARSENIC	657.4	26.	4.	< 6.9204E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:42:49 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042V3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8791.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 203:07 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	10.	5.	17.	9.	9.	11.	11.	6.	13.
1018:	21.	23.	44.	74.	94.	123.	99.	87.	56.
1027:	27.	27.	11.	16.	6.	5.	8.	10.	8.

% COPPER 511.1 + 0.0 KEV 0.0017

1117:	12.	8.	6.	13.	16.	21.	16.	17.	20.
1126:	43.	130.	469.	904.	857.	403.	90.	14.	6.
1135:	1.	5.	3.	5.	4.	5.	8.	7.	6.

% ANTIMONY 564.1 + 0.9 KEV 0.0179

1301:	5.	6.	6.	4.	8.	9.	8.	5.	6.
1310:	4.	4.	4.	2.	8.	4.	7.	5.	2.
1319:	4.	5.	4.	5.	5.	2.	1.	5.	5.

% ARSENIC 657.4 + 0.0 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	59.	518.	0.0017	0.0001	4.9
%-ANTIMONY	564.1	41.	2855.	0.0179	0.0003	1.9
%-ARSENIC	657.4	26.	0.	< 7.2639E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:44:40 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042W2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8531.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 223:37 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	7.	5.	8.	13.	5.	8.	13.	7.	17.
1018:	20.	28.	30.	54.	68.	81.	67.	89.	41.
1027:	28.	12.	9.	10.	12.	7.	14.	7.	9.

% COPPER 511.0 KEV 0.0012

1117:	12.	12.	14.	7.	14.	18.	16.	11.	17.
1126:	41.	97.	316.	630.	656.	266.	65.	14.	11.
1135:	4.	3.	7.	8.	3.	6.	8.	8.	7.

% ANTIMONY 564.0 KEV 0.0131

1301:	9.	5.	4.	6.	8.	8.	5.	4.	11.
1310:	5.	4.	5.	5.	9.	7.	13.	12.	9.
1319:	7.	5.	4.	6.	8.	2.	5.	5.	7.

% ARSENIC 657.4 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	71.	359.	0.0012	0.0001	6.2
%-ANTIMONY	564.1	53.	2018.	0.0131	0.0003	2.3
%-ARSENIC	657.4	29.	22.	< 7.9403E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:45:36 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042W3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8612.000 UNITS: UG
 SAMPLE GEOMETRY: R13 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 233:51 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	6.	7.	8.	11.	11.	18.	8.	22.	16.
1018:	15.	27.	33.	53.	84.	101.	101.	77.	35.
1027:	32.	16.	21.	11.	8.	8.	7.	9.	12.

% COPPER 511.0 KEV 0.0014

1117:	9.	8.	15.	9.	10.	17.	11.	21.	29.
1126:	28.	110.	364.	666.	664.	323.	69.	9.	6.
1135:	3.	2.	8.	9.	4.	4.	7.	10.	10.

% ANTIMONY 564.1 KEV 0.0140

1301:	3.	8.	13.	4.	8.	1.	10.	7.	4.
1310:	3.	4.	2.	6.	5.	5.	3.	8.	6.
1319:	3.	4.	7.	5.	9.	7.	3.	7.	7.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	63.	421.	0.0014	0.0001	5.6
%-ANTIMONY	564.1	54.	2170.	0.0140	0.0003	2.2
%-ARSENIC	657.4	33.	-12.	< 8.3845E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:46:31 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: W1042X1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8803.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 244:06 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	14.	10.	12.	10.	10.	13.	13.	11.	15.
1018:	14.	42.	41.	84.	98.	111.	113.	76.	56.
1027:	31.	16.	8.	15.	10.	11.	8.	10.	5.

% COPPER 511.0 KEV 0.0018

1117:	10.	14.	8.	11.	6.	23.	24.	18.	22.
1126:	45.	141.	447.	870.	886.	426.	93.	14.	7.
1135:	4.	8.	9.	6.	4.	6.	13.	6.	3.

% ANTIMONY 564.0 KEV 0.0180

1301:	8.	9.	10.	4.	8.	7.	4.	0.	7.
1310:	8.	4.	5.	7.	7.	6.	6.	9.	4.
1319:	3.	4.	4.	9.	7.	6.	5.	4.	3.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	62.	517.	0.0018	0.0001	4.9
%-ANTIMONY	564.1	56.	2852.	0.0180	0.0003	1.9
%-ARSENIC	657.4	35.	0.	< 8.4662E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:47:27 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042X2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8762.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 254:21 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	11.	12.	9.	8.	17.	14.	17.	15.	26.
1018:	22.	28.	42.	70.	98.	103.	102.	82.	53.
1027:	28.	15.	15.	14.	10.	8.	8.	11.	8.

% COPPER 511.0 KEV 0.0016

1117:	12.	10.	30.	13.	15.	11.	18.	15.	23.
1126:	44.	149.	480.	898.	919.	455.	88.	16.	10.
1135:	10.	5.	9.	9.	14.	10.	6.	9.	4.

% ANTIMONY 564.0 KEV 0.0188

1301:	11.	8.	9.	5.	11.	6.	5.	8.	6.
1310:	8.	10.	10.	11.	13.	4.	6.	10.	8.
1319:	5.	10.	10.	7.	7.	5.	11.	4.	5.

% ARSENIC 657.0 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	83.	467.	0.0016	0.0001	5.4
%-ANTIMONY	564.1	68.	2965.	0.0188	0.0004	1.9
%-ARSENIC	657.4	37.	12.	< 8.7663E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:48:23 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042X3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8837.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 304:35 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	9.	9.	8.	18.	17.	8.	11.	18.	9.
1018:	18.	24.	42.	53.	94.	104.	91.	68.	40.
1027:	32.	16.	20.	13.	9.	18.	12.	10.	10.

% COPPER 511.0 KEV 0.0015

1117:	11.	21.	15.	9.	17.	18.	16.	24.	28.
1126:	46.	136.	424.	867.	883.	401.	105.	12.	7.
1135:	10.	16.	12.	6.	8.	6.	7.	15.	13.

% ANTIMONY 564.0 KEV 0.0176

1301:	11.	12.	5.	14.	5.	6.	7.	6.	4.
1310:	7.	7.	9.	7.	7.	8.	10.	6.	10.
1319:	4.	15.	10.	7.	7.	10.	11.	4.	3.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	69.	423.	0.0015	0.0001	5.6
%-ANTIMONY	564.1	72.	2790.	0.0176	0.0003	1.9
%-ARSENIC	657.4	41.	0.	< 9.1560E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:49:18 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042Y1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9167.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 314:49 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 600. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	7.	8.	6.	12.	8.	12.	10.	8.	12.
1018:	17.	23.	41.	51.	63.	86.	79.	73.	40.
1027:	22.	15.	9.	9.	4.	9.	2.	6.	7.

% COPPER 511.0 KEV 0.0013

1117:	13.	9.	9.	7.	10.	7.	16.	20.	18.
1126:	34.	83.	333.	694.	759.	327.	80.	17.	4.
1135:	6.	3.	6.	8.	6.	11.	9.	1.	7.

% ANTIMONY 564.0 KEV 0.0138

1301:	7.	5.	6.	6.	4.	7.	7.	6.	5.
1310:	3.	4.	0.	3.	6.	4.	2.	7.	9.
1319:	1.	3.	1.	7.	9.	2.	1.	8.	6.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	46.	387.	0.0013	0.0001	5.7
%-ANTIMONY	564.1	39.	2271.	0.0138	0.0003	2.1
%-ARSENIC	657.4	28.	-12.	< 7.4368E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:50:14 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042Y2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8975.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 325:03 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	5.	4.	13.	9.	8.	12.	6.	13.	5.
1018:	13.	20.	26.	41.	50.	62.	66.	49.	36.
1027:	30.	12.	10.	13.	8.	9.	6.	3.	5.

% COPPER 511.0 KEV 0.0010

1117:	5.	11.	12.	13.	7.	14.	21.	17.	16.
1126:	31.	96.	335.	701.	680.	319.	76.	14.	1.
1135:	6.	7.	9.	6.	3.	5.	7.	6.	6.

% ANTIMONY 564.0 KEV 0.0137

1301:	4.	5.	7.	5.	6.	4.	3.	2.	1.
1310:	4.	2.	4.	5.	2.	5.	8.	3.	2.
1319:	4.	2.	4.	6.	4.	2.	4.	4.	6.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	48.	286.	9.8570E-04	6.7495E-05	6.8
%-ANTIMONY	564.1	45.	2193.	0.0137	0.0003	2.2
%-ARSENIC	657.4	24.	0.	< 7.1111E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:51:10 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042Y3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8722.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 335:18 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	8.	7.	8.	10.	8.	12.	7.	9.	10.
1018:	22.	25.	35.	44.	63.	74.	81.	61.	38.
1027:	16.	17.	11.	6.	8.	6.	12.	6.	7.

% COPPER 511.0 KEV 0.0012

1117:	5.	8.	12.	19.	15.	11.	13.	15.	17.
1126:	31.	95.	322.	657.	652.	354.	73.	14.	3.
1135:	2.	5.	3.	7.	4.	4.	1.	6.	3.

% ANTIMONY 564.0 KEV 0.0137

1301:	3.	3.	7.	8.	6.	9.	5.	2.	5.
1310:	3.	4.	2.	5.	4.	5.	5.	2.	5.
1319:	2.	8.	1.	6.	4.	2.	2.	4.	3.

% ARSENIC 657.4 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	51.	345.	0.0012	0.0001	6.1
%-ANTIMONY	564.1	49.	2135.	0.0137	0.0003	2.2
%-ARSENIC	657.4	26.	-5.	< 7.6239E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:52:06 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042Z1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9463.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 345:33 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NET ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	6.	8.	4.	8.	7.	16.	8.	10.	12.
1018:	13.	21.	34.	65.	62.	75.	80.	100.	48.
1027:	39.	15.	18.	8.	6.	8.	7.	11.	9.

% COPPER 511.0 KEV 0.0014

1117:	9.	7.	6.	19.	16.	17.	17.	18.	17.
1126:	38.	132.	429.	821.	889.	416.	93.	15.	6.
1135:	8.	6.	5.	5.	8.	5.	4.	7.	3.

% ANTIMONY 564.0 KEV 0.0164

1301:	7.	5.	2.	5.	3.	1.	3.	3.	7.
1310:	4.	5.	5.	7.	7.	3.	1.	5.	4.
1319:	6.	1.	8.	6.	7.	7.	2.	4.	2.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	56.	413.	0.0014	0.0001	5.6
%-ANTIMONY	564.1	48.	2770.	0.0164	0.0003	1.9
%-ARSENIC	657.4	21.	6.	< 6.4731E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:53:02 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042ZZ
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8935.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 355:48 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	7.	10.	8.	12.	10.	14.	21.	16.	13.
1018:	17.	21.	34.	63.	81.	101.	90.	69.	48.
1027:	43.	14.	17.	17.	7.	12.	12.	9.	12.

% COPPER 511.0 KEV 0.0015

1117:	20.	11.	10.	13.	10.	13.	22.	18.	15.
1126:	44.	125.	395.	850.	845.	403.	96.	14.	10.
1135:	11.	4.	4.	10.	7.	7.	8.	3.	9.

% ANTIMONY 564.0 KEV 0.0171

1301:	4.	4.	7.	9.	9.	2.	7.	8.	3.
1310:	7.	12.	6.	10.	5.	10.	3.	6.	3.
1319:	7.	7.	15.	10.	13.	6.	6.	9.	5.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	66.	429.	0.0015	0.0001	5.5
%-ANTIMONY	564.1	51.	2707.	0.0171	0.0003	2.0
%-ARSENIC	657.4	37.	2.	< 8.9413E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:53:59 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042Z3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8399.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 406:03 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	8.	7.	9.	9.	9.	9.	8.	7.	7.
1018:	12.	24.	36.	46.	59.	77.	81.	64.	44.
1027:	14.	11.	2.	7.	11.	5.	9.	5.	8.

% COPPER 511.0 KEV 0.0163

1117:	8.	13.	12.	11.	8.	22.	15.	22.	25.
1126:	31.	129.	357.	713.	784.	394.	97.	10.	4.
1135:	4.	7.	4.	8.	2.	2.	5.	1.	8.

% ANTIMONY 564.0 KEV 0.0165

1301:	5.	3.	4.	2.	3.	8.	3.	6.	6.
1310:	6.	7.	5.	9.	3.	5.	5.	4.	9.
1319:	2.	5.	4.	2.	5.	5.	3.	1.	7.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	62.	345.	0.0013	0.0001	6.3
%-ANTIMONY	564.1	41.	2464.	0.0165	0.0003	2.1
%-ARSENIC	657.4	18.	11.	< 6.8748E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:54:55 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042AA1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9121.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 416:17 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	8.	7.	11.	4.	15.	7.	14.	14.	11.
1018:	13.	30.	42.	65.	92.	87.	92.	93.	56.
1027:	30.	15.	15.	12.	9.	6.	7.	6.	9.

% COPPER 511.0 KEV 0.0016

1117:	15.	13.	10.	19.	16.	14.	26.	21.	37.
1126:	53.	162.	501.	1097.	1137.	532.	107.	20.	3.
1135:	4.	7.	3.	6.	5.	7.	2.	5.	9.

% ANTIMONY 564.1 KEV 0.0219

1301:	4.	2.	8.	2.	2.	4.	3.	3.	3.
1310:	4.	0.	1.	6.	3.	3.	3.	4.	6.
1319:	2.	1.	5.	6.	8.	3.	1.	7.	5.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	66.	461.	0.0016	0.0001	5.3
%-ANTIMONY	564.1	46.	3543.	0.0219	0.0004	1.7
%-ARSENIC	657.4	22.	-3.	< 6.8786E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:55:51 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042AAZ
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9404.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 426:32 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	7.	16.	9.	11.	9.	11.	16.	12.	20.
1018:	20.	27.	49.	59.	85.	121.	95.	75.	61.
1027:	33.	19.	17.	10.	16.	8.	8.	5.	15.

% COPPER 511.0 KEV 0.0017

1117:	6.	16.	11.	19.	15.	18.	20.	18.	24.
1126:	49.	144.	455.	993.	993.	486.	106.	15.	5.
1135:	8.	8.	10.	7.	7.	7.	8.	6.	6.

% ANTIMONY 564.0 KEV 0.0190

1301:	7.	9.	5.	14.	6.	4.	5.	5.	2.
1310:	6.	7.	7.	9.	3.	6.	6.	8.	6.
1319:	5.	6.	6.	4.	4.	4.	5.	8.	4.

% ARSENIC 657.4 KEV < 7.9544E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	71.	474.	0.0017	0.0001	5.2
%-ANTIMONY	564.1	71.	3155.	0.0190	0.0003	1.8
%-ARSENIC	657.4	32.	0.	< 7.9544E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:56:48 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042AAG
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9043.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX
 *
 ACQUISITION DATE: 20JUN80 436:47 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009: 8. 5. 13. 8. 9. 5. 12. 10. 7.
 1018: 19. 21. 49. 64. 94. 96. 101. 72. 45.
 1027: 36. 15. 8. 12. 14. 7. 9. 8. 7.

% COPPER 511.0 KEV <0.0017

1117: 14. 14. 17. 8. 16. 17. 21. 24. 23.
 1126: 40. 122. 423. 903. 973. 474. 108. 16. 6.
 1135: 3. 4. 7. 5. 10. 4. 6. 7. 3.

% ANTIMONY 564.0 KEV <0.0188

1301: 5. 7. 2. 2. 5. 4. 2. 6. 4.
 1310: 2. 2. 2. 7. 9. 6. 7. 3. 4.
 1319: 1. 4. 3. 7. 6. 9. 3. 5. 5.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	69.	452.	0.0017	0.0001	5.4
%-ANTIMONY	564.1	43.	3000.	0.0188	0.0003	1.9
%-ARSENIC	657.4	25.	7. <	7.4878E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:57:45 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042AB1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8097.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 447:00 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	9.	8.	9.	12.	7.	11.	13.	13.	17.
1018:	22.	11.	37.	47.	72.	88.	77.	77.	44.
1027:	18.	24.	23.	15.	6.	14.	7.	5.	12.

% COPPER 511.000 KEV 0.0016

1117:	14.	14.	13.	8.	9.	19.	19.	21.	19.
1126:	34.	134.	387.	719.	739.	346.	83.	16.	11.
1135:	6.	3.	8.	6.	9.	8.	6.	8.	6.

% ANTIMONY 564.057 KEV 0.0167

1301:	7.	11.	5.	13.	3.	6.	8.	8.	7.
1310:	5.	7.	4.	10.	9.	5.	10.	9.	6.
1319:	10.	11.	9.	7.	9.	6.	5.	4.	12.

% ARSENIC 657.400 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	64.	378.	0.0016	0.0001	6.0
%-ANTIMONY	564.1	56.	2386.	0.0167	0.0004	2.1
%-ARSENIC	657.4	35.	9. < 9.7148E-04		NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:58:41 AM XXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENK.LL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042ABZ
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7827.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 457:15 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	11.	10.	8.	15.	8.	16.	10.	9.	20.
1018:	19.	23.	39.	64.	77.	107.	96.	63.	65.
1027:	31.	14.	13.	12.	7.	10.	5.	10.	8.

% COPPER 511.0 KEV 0.0019

1117:	9.	15.	8.	11.	14.	16.	12.	19.	24.
1126:	27.	88.	394.	711.	741.	353.	98.	21.	9.
1135:	4.	4.	6.	9.	4.	6.	11.	8.	3.

% ANTIMONY 564.0 KEV 0.0172

1301:	5.	11.	5.	8.	7.	7.	4.	5.	6.
1310:	4.	4.	8.	8.	3.	7.	8.	4.	4.
1319:	6.	8.	8.	5.	3.	5.	6.	6.	3.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	68.	443.	0.0019	0.0001	5.4
%-ANTIMONY	564.1	51.	2361.	0.0172	0.0004	2.1
%-ARSENIC	657.4	32.	2. <	9.6869E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 8:59:37 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042AB3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 6718.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 507:30 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBKATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	9.	7.	9.	7.	5.	16.	8.	8.	14.
1018:	17.	23.	23.	44.	82.	65.	85.	67.	47.
1027:	38.	12.	9.	9.	9.	5.	6.	6.	10.

% COPPER 511.0 KEV 0.0019

1117:	13.	9.	10.	9.	9.	17.	10.	13.	22.
1126:	26.	82.	273.	591.	596.	333.	68.	12.	8.
1135:	4.	11.	7.	8.	5.	5.	5.	4.	4.

% ANTIMONY 564.0 KEV 0.0163

1301:	3.	7.	8.	8.	3.	5.	3.	2.	7.
1310:	6.	8.	4.	6.	4.	3.	4.	5.	7.
1319:	6.	4.	7.	8.	4.	8.	5.	2.	4.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	61.	367.	0.0019	0.0001	6.0
%-ANTIMONY	564.1	50.	1919.	0.0163	0.0004	2.3
%-ARSENIC	657.4	29.	-4. <	0.0011	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 9:01:34 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042AC2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9952.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 527:59 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	13.	13.	7.	14.	11.	10.	10.	7.	16.
1018:	18.	28.	30.	58.	63.	105.	77.	89.	56.
1027:	25.	11.	17.	9.	17.	7.	13.	10.	11.

% COPPER 511.100 KEV 0.0014

1117:	8.	10.	13.	16.	18.	14.	12.	27.	23.
1126:	27.	99.	336.	789.	901.	460.	106.	19.	5.
1135:	12.	14.	4.	6.	2.	3.	8.	5.	7.

% ANTIMONY 564.409 KEV 0.0153

1301:	4.	6.	8.	8.	6.	8.	10.	3.	5.
1310:	9.	9.	5.	9.	10.	4.	11.	11.	4.
1319:	5.	7.	5.	3.	6.	5.	6.	2.	10.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	69.	409.	0.0014	0.0001	5.7
%-ANTIMONY	564.1	63.	2655.	0.0153	0.0003	2.0
%-ARSENIC	657.4	29.	16.	< 7.4387E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 9:02:29 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: U1042AC3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10475.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 538:14 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	7.	11.	11.	8.	10.	10.	11.	8.	12.
1018:	12.	23.	32.	55.	65.	99.	95.	68.	40.
1027:	27.	21.	11.	10.	10.	13.	10.	13.	5.

% COPPER 511.0 KEV 0.0013

1117:	12.	9.	17.	14.	15.	14.	14.	15.	28.
1126:	48.	131.	418.	909.	925.	485.	103.	23.	7.
1135:	7.	5.	3.	6.	3.	2.	4.	6.	2.

% ANTIMONY 564.0 KEV 0.0163

1301:	7.	6.	1.	10.	7.	9.	5.	8.	4.
1310:	4.	3.	5.	6.	2.	6.	9.	6.	8.
1319:	3.	5.	4.	6.	8.	5.	1.	2.	3.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	67.	387.	0.0013	0.0001	5.9
%-ANTIMONY	564.1	43.	2976.	0.0163	0.0003	1.9
%-ARSENIC	657.4	28.	4.	< 6.9313E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 9:03:24 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042AD1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9189.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 548:28 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	4.	11.	13.	7.	14.	5.	9.	13.	11.
1018:	16.	15.	38.	52.	61.	83.	95.	66.	31.
1027:	33.	18.	12.	5.	12.	9.	6.	7.	8.

% COPPER 511.0 KEV 0.0014

1117:	10.	13.	11.	9.	11.	12.	8.	11.	20.
1126:	44.	103.	339.	793.	788.	412.	88.	10.	7.
1135:	8.	3.	2.	8.	4.	8.	8.	5.	7.

% ANTIMONY 564.0 KEV 0.0158

1301:	3.	3.	2.	5.	7.	8.	2.	9.	8.
1310:	3.	1.	5.	3.	8.	9.	2.	8.	3.
1319:	3.	6.	3.	6.	8.	4.	3.	4.	5.

% ARSENIC 657.4 KEV <0.0001

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	51.	375.	0.0014	0.0001	5.8
%-ANTIMONY	564.1	46.	2522.	0.0158	0.0003	2.0
%-ARSENIC	657.4	25.	5.	< 7.6045E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 9:04:20 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042AD2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8649.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 558:42 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	9.	3.	2.	10.	8.	12.	11.	12.	10.
1018:	18.	25.	39.	62.	70.	71.	86.	53.	40.
1027:	20.	13.	11.	7.	6.	10.	13.	9.	5.

% COPPER 511.0 KEV 0.0015

1117:	15.	12.	12.	15.	10.	14.	14.	25.	12.
1126:	51.	157.	445.	802.	666.	278.	80.	15.	8.
1135:	6.	5.	6.	8.	7.	5.	6.	6.	9.

% ANTIMONY 564.0 KEV 0.0161

1301:	8.	2.	12.	8.	6.	3.	8.	11.	5.
1310:	7.	4.	12.	2.	3.	9.	9.	6.	5.
1319:	6.	5.	8.	9.	11.	7.	8.	8.	6.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	53.	368.	0.0015	0.0001	5.9
%-ANTIMONY	564.1	53.	2427.	0.0161	0.0003	2.1
%-ARSENIC	657.4	37.	-2. < 9.6897E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 9:05:16 AM XXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042AD3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7782.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 608:57 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	13.	9.	5.	12.	9.	7.	5.	14.	18.
1018:	13.	25.	30.	57.	61.	75.	74.	49.	43.
1027:	28.	12.	8.	11.	9.	12.	7.	8.	6.

% COPPER 511.0 KEV 0.0015

1117:	12.	8.	18.	12.	11.	9.	12.	24.	31.
1126:	50.	133.	433.	751.	609.	239.	46.	7.	2.
1135:	9.	9.	3.	3.	9.	5.	5.	4.	10.

% ANTIMONY 564.0 KEV 0.0164

1301:	2.	5.	6.	7.	8.	4.	3.	8.	4.
1310:	8.	4.	6.	7.	3.	3.	1.	6.	6.
1319:	6.	7.	5.	7.	7.	4.	5.	6.	4.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	67.	322.	0.0015	0.0001	6.6
%-ANTIMONY	564.1	53.	2209.	0.0164	0.0004	2.2
%-ARSENIC	657.4	30.	-7.	< 9.7607E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 9:06:11 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042AE1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10380.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 619:11 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	22.	20.	24.	24.	33.	20.	33.	38.	33.
1018:	43.	80.	109.	193.	268.	252.	250.	213.	133.
1027:	63.	48.	39.	30.	29.	29.	24.	20.	16.

% COPPER 511.0 KEV 0.0044

1117:	55.	91.	129.	130.	85.	55.	71.	90.	116.
1126:	246.	917.	2988.	5079.	4168.	1562.	281.	42.	17.
1135:	13.	9.	10.	11.	8.	18.	9.	8.	13.

% ANTIMONY 564.0 KEV 0.0841

1301:	11.	8.	8.	8.	7.	10.	6.	9.	15.
1310:	8.	8.	4.	5.	13.	11.	17.	10.	5.
1319:	8.	13.	12.	5.	9.	7.	5.	7.	4.

% ARSENIC 657.4 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	157.	1261.	0.0044	0.0001	3.2
%-ANTIMONY	564.1	118.	15123.	0.0841	0.0007	0.8
%-ARSENIC	657.4	37.	19.	< 8.1468E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 9:07:06 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: W1042AEZ
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.0595.00 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 629:26 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	21.	23.	29.	22.	22.	34.	30.	30.	30.
1018:	44.	67.	92.	154.	220.	207.	222.	156.	129.
1027:	55.	38.	29.	25.	27.	25.	18.	16.	30.

% COPPER 511.1 - 0.0 KEV 0.0035

1117:	50.	87.	126.	115.	62.	64.	66.	81.	102.
1126:	217.	831.	2618.	4571.	3705.	1543.	276.	30.	10.
1135:	8.	13.	5.	9.	9.	7.	5.	6.	7.

% ANTIMONY 564.1 - 0.5 KEV 0.0746

1301:	7.	11.	11.	4.	10.	6.	3.	4.	6.
1310:	13.	5.	9.	5.	8.	21.	20.	12.	11.
1319:	6.	6.	8.	10.	8.	9.	8.	3.	6.

% ARSENIC 657.4 - 0.4 KEV < 0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	160.	1020.	0.0035	0.0001	3.6
%-ANTIMONY	564.1	97.	13664.	0.0746	0.0006	0.9
%-ARSENIC	657.4	40.	32. < 8.3083E-04		NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 20 JUN 1980 9:08:02 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 RF QY GREENKILL

SAMPLE DATE: 19JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1042AE3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9217.000 UNITS: UG
 SAMPLE GEOMETRY: RT3 6HR
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 639:40 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 19JUN80 1042:38 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	21.	18.	25.	23.	23.	17.	13.	24.	30.
1018:	32.	46.	65.	124.	187.	188.	178.	112.	102.
1027:	46.	40.	23.	24.	23.	17.	21.	18.	17.

% COPPER 511.0 KEV 0.0033

1117:	37.	56.	90.	86.	55.	49.	51.	67.	99.
1126:	196.	724.	2246.	3726.	3055.	1200.	256.	34.	8.
1135:	8.	8.	9.	6.	5.	7.	8.	9.	9.

% ANTIMONY 564.0 KEV 0.0710

1301:	7.	7.	8.	5.	6.	5.	6.	9.	10.
1310:	11.	11.	7.	9.	11.	17.	9.	9.	9.
1319:	6.	11.	4.	13.	10.	8.	7.	10.	5.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	134.	822.	0.0033	0.0001	4.0
%-ANTIMONY	564.1	104.	11299.	0.0710	0.0007	1.0
%-ARSENIC	657.4	40.	10.	< 9.5384E-04	NOT DETECTABLE	

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SAMPLE.	SAM.WT.	%-COPPER	%-ANTIMONY		%-ARSENIC
S626A	13326.000	0.08034	0.73979		0.00242
S626B	14684.000	0.07723	0.71730		0.00227
S626C	17283.000	0.07689	0.70762		0.00227
		0.07815 AVG	0.72157 AVG		0.00232 AVG
		0.001899 SD	0.016503 SD		0.000087 SD
		2.430205 %RSD	2.287094 %RSD		3.748135 %RSD
S604A	13523.000	0.00734	2.06056		0.10253
S604B	14437.000	0.00748	1.97418		0.09778
S604C	13597.000	0.00726	2.03136		0.09991
		0.00736 AVG	2.02203 AVG		0.10007 AVG
		0.000110 SD	0.043937 SD		0.002380 SD
		1.495712 %RSD	2.172905 %RSD		2.378184 %RSD
Q1043A1	10370.000	0.00157	0.01654	<	0.00107
Q1043A2	10264.000	0.00167	0.01632	<	0.00129
Q1043A3	10421.000	0.00162	0.01718	<	0.00109
		0.00162 AVG	0.01668 AVG		0.00000 AVG
		0.000046 SD	0.000448 SD		0.000000 SD
		2.855870 %RSD	2.687493 %RSD		0.000000 %RSD
Q1043B1	8214.000	0.00223	0.01509	<	0.00124
Q1043B2	8843.000	0.00157	0.01535	<	0.00134
Q1043B3	7666.000	0.00169	0.01474	<	0.00145
		0.00183 AVG	0.01506 AVG		0.00000 AVG
		0.000349 SD	0.000307 SD		0.000000 SD
		19.072639 %RSD	2.037304 %RSD		0.000000 %RSD
Q1043C1	9102.000	0.00153	0.01513	<	0.00114
Q1043C2	8505.000	0.00154	0.01458	<	0.00150
Q1043C3	8942.000	0.00154	0.01400	<	0.00136
		0.00154 AVG	0.01457 AVG		0.00000 AVG
		0.000005 SD	0.000564 SD		0.000000 SD
		0.317228 %RSD	3.872485 %RSD		0.000000 %RSD
Q1043D1	8282.000	0.00156	0.01550	<	0.00124
Q1043D2	8033.000	0.00130	0.01482	<	0.00134
Q1043D3	8515.000	0.00139	0.01479	<	0.00112
		0.00142 AVG	0.01504 AVG		0.00000 AVG
		0.000130 SD	0.000404 SD		0.000000 SD
		9.218242 %RSD	2.686852 %RSD		0.000000 %RSD
Q1043E1	11335.000	0.00533	0.11409	<	0.00095
Q1043E2	9146.000	0.00540	0.11068	<	0.00114
Q1043E3	11250.000	0.00519	0.11463		0.00100
		0.00531 AVG	0.11314 AVG		0.00100 AVG
		0.000106 SD	0.002141 SD		0.000000 SD
		1.991340 %RSD	1.892618 %RSD		0.000000 %RSD

Q1043F1	8975.000	0.00397	0.07878	<	0.00107
Q1043F2	8626.000	0.00388	0.07877	<	0.00118
Q1043F3	9262.000	0.00355	0.07592	<	0.00114
		0.00380 AVG	0.07610 AVG		0.00000 AVG
		0.000221 SD	0.002470 SD		0.000000 SD
		5.819061 %RSD	3.245721 %RSD		0.000000 %RSD

Q1043G1	8069.000	0.00184	0.01966	<	0.00117
Q1043G2	8135.000	0.00211	0.01924	<	0.00133
Q1043G3	8286.000	0.00215	0.01983	<	0.00130
		0.00203 AVG	0.01958 AVG		0.00000 AVG
		0.000170 SD	0.000304 SD		0.000000 SD
		8.345552 %RSD	1.552040 %RSD		0.000000 %RSD

Q1043H1	7525.000	0.00504	0.04897	<	0.00134
Q1043H2	6800.000	0.00527	0.04867	<	0.00152
Q1043H3	7682.000	0.00500	0.04794	<	0.00144
		0.00510 AVG	0.04853 AVG		0.00000 AVG
		0.000148 SD	0.000528 SD		0.000000 SD
		2.896276 %RSD	1.088778 %RSD		0.000000 %RSD

Q1043I1	8674.000	0.00204	0.02096	<	0.00105
Q1043I2	8313.000	0.00220	0.02102	<	0.00116
Q1043I3	8416.000	0.00218	0.02067	<	0.00113
		0.00214 AVG	0.02088 AVG		0.00000 AVG
		0.000091 SD	0.000184 SD		0.000000 SD
		4.227905 %RSD	0.883155 %RSD		0.000000 %RSD

Q1043J1	10829.000	0.00263	0.04852	<	0.00090
Q1043J2	10610.000	0.00272	0.05199	<	0.00103
Q1043J3	10317.000	0.00233	0.04660	<	0.00083
		0.00256 AVG	0.04904 AVG		0.00103 AVG
		0.000200 SD	0.002728 SD		0.000000 SD
		7.831399 %RSD	5.563919 %RSD		0.000000 %RSD

Q1043K1	10251.000	0.00230	0.02761	<	0.00101
Q1043K2	9639.000	0.00202	0.02150	<	0.00115
Q1043K3	9879.000	0.00186	0.01912	<	0.00104
		0.00206 AVG	0.02275 AVG		0.00000 AVG
		0.000224 SD	0.004377 SD		0.000000 SD
		10.870369 %RSD	19.245085 %RSD		0.000000 %RSD

Q1043L1	10117.000	0.00517	0.04729	<	0.00123
Q1043L2	9763.000	0.00497	0.04616	<	0.00139
Q1043L3	9908.000	0.00492	0.04782	<	0.00096
		0.00502 AVG	0.04709 AVG		0.00000 AVG
		0.000132 SD	0.000847 SD		0.000000 SD
		2.622201 %RSD	1.799232 %RSD		0.000000 %RSD

Q1043M1	8898.000	0.00289	0.04703	<	0.00111
Q1043M2	8972.000	0.00289	0.04560	<	0.00129

Q1043M3	9057.000	0.00289	0.04791	<	0.00105
		0.00289 AVG	0.04791 AVG		0.00000 AVG
		0.000001 SD	0.001166 SD		0.000000 SD
		0.049264 %RSD	2.488164 %RSD		0.000000 %RSD
Q1043N1	10967.000	0.00158	0.01799	<	0.00078
Q1043N2	10669.000	0.00136	0.01629	<	0.00100
Q1043N3	10317.000	0.00138	0.01659	<	0.00085
		0.00144 AVG	0.01696 AVG		0.00000 AVG
		0.000122 SD	0.000911 SD		0.000000 SD
		8.468807 %RSD	5.372963 %RSD		0.000000 %RSD
Q1043O1	10576.000	0.00132	0.01435	<	0.00085
Q1043O2	10363.000	0.00135	0.01550	<	0.00087
Q1043O3	10704.000	0.00196	0.01482	<	0.00091
		0.00154 AVG	0.01489 AVG		0.00000 AVG
		0.000357 SD	0.000576 SD		0.000000 SD
		23.114206 %RSD	3.868067 %RSD		0.000000 %RSD
Q1043P1	8884.000	0.00172	0.01970	<	0.00110
Q1043P2	7782.000	0.00183	0.02005	<	0.00126
Q1043P3	8406.000	0.00175	0.02112	<	0.00119
		0.00177 AVG	0.02029 AVG		0.00000 AVG
		0.000058 SD	0.000738 SD		0.000000 SD
		3.266338 %RSD	3.636549 %RSD		0.000000 %RSD
Q1043Q1	10395.000	0.00167	0.01925	<	0.00097
Q1043Q2	9834.000	0.00160	0.01907	<	0.00106
Q1043Q3	9917.000	0.00166	0.01877	<	0.00098
		0.00165 AVG	0.01903 AVG		0.00000 AVG
		0.000038 SD	0.000246 SD		0.000000 SD
		2.305499 %RSD	1.291541 %RSD		0.000000 %RSD
Q1043R1	8735.000	0.00156	0.01719	<	0.00083
Q1043R2	8579.000	0.00133	0.01598	<	0.00111
Q1043R3	8851.000	0.00145	0.01693	<	0.00098
		0.00145 AVG	0.01670 AVG		0.00000 AVG
		0.000113 SD	0.000634 SD		0.000000 SD
		7.785364 %RSD	3.794252 %RSD		0.000000 %RSD
Q1043S1	11651.000	0.00518	0.11098		0.00119
Q1043S2	10623.000	0.00546	0.11442	<	0.00106
Q1043S3	11384.000	0.00537	0.11738	<	0.00092
		0.00534 AVG	0.11426 AVG		0.00119 AVG
		0.000141 SD	0.003202 SD		0.000000 SD
		2.641616 %RSD	2.802164 %RSD		0.000000 %RSD
Q1043T1	10721.000	0.00127	0.01308	<	0.00091
Q1043T2	9540.000	0.00133	0.01344	<	0.00104
Q1043T3	11001.000	0.00133	0.01339	<	0.00087
		0.00131 AVG	0.01330 AVG		0.00000 AVG

0.000035 SD 0.000191 SD 0.000000 SD
2.704645 %RSD 1.439373 %RSD 0.000000 %RSD

Q1043U1 9057.000 0.00160 0.01678 < 0.00098
Q1043U2 9088.000 0.00145 0.01710 < 0.00099
Q1043U3 8204.000 0.00215 0.01640 < 0.00102

0.00173 AVG 0.01676 AVG 0.00000 AVG
0.000368 SD 0.000351 SD 0.000000 SD
21.238285 %RSD 2.096806 %RSD 0.000000 %RSD

Q1043V1 9538.000 0.00179 0.02379 < 0.00087
Q1043V2 9176.000 0.00214 0.03731 < 0.00091
Q1043V3 9369.000 0.00183 0.01663 < 0.00104

0.00192 AVG 0.02591 AVG 0.00000 AVG
0.000192 SD 0.010503 SD 0.000000 SD
9.980168 %RSD 40.536278 %RSD 0.000000 %RSD

Q1043W1 9342.000 0.00130 0.01445 < 0.00096
Q1043W2 9870.000 0.00153 0.01611 < 0.00104
Q1043W3 9707.000 0.00145 0.01621 < 0.00085

0.00143 AVG 0.01559 AVG 0.00000 AVG
0.000119 SD 0.000991 SD 0.000000 SD
8.310635 %RSD 6.358268 %RSD 0.000000 %RSD

Q1043X1 7776.000 0.00254 0.04923 < 0.00136
Q1043X2 9008.000 0.00246 0.04561 < 0.00125
Q1043X3 9088.000 0.00334 0.04711 < 0.00104

0.00278 AVG 0.04732 AVG 0.00000 AVG
0.000489 SD 0.001819 SD 0.000000 SD
17.592724 %RSD 3.844215 %RSD 0.000000 %RSD

Q1043Y1 9342.000 0.00188 0.01823 < 0.00093
Q1043Y2 7546.000 0.00163 0.01933 < 0.00118
Q1043Y3 9203.000 0.00155 0.01911 < 0.00093

0.00169 AVG 0.01889 AVG 0.00000 AVG
0.000174 SD 0.000578 SD 0.000000 SD
10.317473 %RSD 3.058156 %RSD 0.000000 %RSD

Q1043Z1 9818.000 0.00171 0.01720 < 0.00086
Q1043Z2 9502.000 0.00162 0.01730 < 0.00088
Q1043Z3 9576.000 0.00172 0.01800 < 0.00093

0.00168 AVG 0.01750 AVG 0.00000 AVG
0.000054 SD 0.000436 SD 0.000000 SD
3.198304 %RSD 2.493445 %RSD 0.000000 %RSD

Q1043AA1 9809.000 0.00152 0.01875 < 0.00086
Q1043AA2 8245.000 0.00168 0.01781 < 0.00115
Q1043AA3 8435.000 0.00152 0.01668 < 0.00107

0.00158 AVG 0.01775 AVG 0.00000 AVG
0.000093 SD 0.001034 SD 0.000000 SD
5.874282 %RSD 5.828226 %RSD 0.000000 %RSD

Q1043AB1	7367.000	0.00444	0.07745	<	0.00140
Q1043AB2	8932.000	0.00374	0.07411	<	0.00126
Q1043AB3	9033.000	0.00419	0.07697	<	0.00128
Q1043AC1	8470.000	0.00170	0.01520	<	0.00112
Q1043AC2	8637.000	0.00168	0.01655	<	0.00118
Q1043AC3	8236.000	0.00144	0.01590	<	0.00129
		0.00161 AVG	0.01588 AVG		0.00000 AVG
		0.000143 SD	0.000676 SD		0.000000 SD
		8.887074 %RSD	4.257808 %RSD		0.000000 %RSD

Q1043AD1	10683.000	0.00130	0.01355	<	0.00081
Q1043AD2	10092.000	0.00127	0.01280	<	0.00087
Q1043AD3	10844.000	0.00116	0.01310	<	0.00079
Q1043AE1	10886.000	0.00371	0.08148	<	0.00109
Q1043AE2	10875.000	0.00380	0.08580	<	0.00104
Q1043AE3	10326.000	0.00430	0.08318		0.00117
		0.00394 AVG	0.08349 AVG		0.00117 AVG
		0.000316 SD	0.002177 SD		0.000000 SD
		8.034155 %RSD	2.607648 %RSD		0.000000 %RSD

(TI) TITLE: 00610007 RF QY GREENKILL LEAD
 (LN) LIBRARY:
 (SA) SAMPLE TIME: 19JUN80 1033:00
 (SE) STD ENERGY TOLERANCE: 2.00
 (UE) UNK ENERGY TOLERANCE: 2.00
 (TF) THERMAL FLUX: 0.0000E-01
 (EF) EPITHERMAL FLUX: 0.0000E-01
 (FF) FAST FLUX: 0.0000E-01
 (QU) UNITS: UG

	ELEMENT	ENERGY	HALF-LIFE	SEC
1	%-COPPER	511.00	1.2800E 01 H	4.6080E 04
2	%-ANTIMONY	564.09	2.7200E 00 D	2.3501E 05
3	%-ARSENIC	657.41	2.6300E 01 H	9.4680E 04

STANDARD SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	13326.00	FBI3 .A01	100.0	100000.0
2	S626B	14684.00	FBI3 .A02	100.0	100000.0
3	S626C	17283.00	FBI3 .A03	100.0	100000.0
4	S604A	13523.00	FBI3 .A04	100.0	100000.0
5	S604B	14437.00	FBI3 .A05	100.0	100000.0
6	S604C	13597.00	FBI3 .A06	100.0	100000.0

STD: 1 S626A FILE= FBI3 .A01

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 2 S626B FILE= FBI3 .A02

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 3 S626C FILE= FBI3 .A03

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 4 S604A FILE= FBI3 .A04

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.0	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 6 S604C

FILE= FB13 .A06

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

UNKNOWN SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	13326.00	FB13 .A01	100.0	100000.0
2	S626B	14684.00	FB13 .A02	100.0	100000.0
3	S626C	17283.00	FB13 .A03	100.0	100000.0
4	S604A	13523.00	FB13 .A04	100.0	100000.0
5	S604B	14437.00	FB13 .A05	100.0	100000.0
6	S604C	13597.00	FB13 .A06	100.0	100000.0
7	Q1043A1	10370.00	FB13 .A07	100.0	100000.0
8	Q1043A2	10264.00	FB13 .A08	100.0	100000.0
9	Q1043A3	10421.00	FB13 .A09	100.0	100000.0
10	Q1043E1	8214.00	FB13 .A10	100.0	100000.0
11	Q1043E2	8843.00	FB13 .A11	100.0	100000.0
12	Q1043E3	7666.00	FB13 .A12	100.0	100000.0
13	Q1043C1	9102.00	FB13 .A13	100.0	100000.0
14	Q1043C2	8505.00	FB13 .A14	100.0	100000.0
15	Q1043C3	8942.00	FB13 .A15	100.0	100000.0
16	Q1043D1	8282.00	FB13 .A16	100.0	100000.0
17	Q1043D2	8033.00	FB13 .A17	100.0	100000.0
18	Q1043D3	8515.00	FB13 .A18	100.0	100000.0
19	Q1043E1	11335.00	FB13 .A19	100.0	100000.0
20	Q1043E2	9146.00	FB13 .A20	100.0	100000.0
21	Q1043E3	11250.00	FB13 .A21	100.0	100000.0
22	Q1043F1	8975.00	FB13 .A22	100.0	100000.0
23	Q1043F2	8626.00	FB13 .A23	100.0	100000.0
24	Q1043F3	9262.00	FB13 .A24	100.0	100000.0
25	Q1043G1	8069.00	FB13 .A25	100.0	100000.0
26	Q1043G2	8135.00	FB13 .A26	100.0	100000.0
27	Q1043G3	8286.00	FB13 .A27	100.0	100000.0
28	Q1043H1	7525.00	FB13 .A28	100.0	100000.0
29	Q1043H2	6800.00	FB13 .A29	100.0	100000.0
30	Q1043H3	7682.00	FB13 .A30	100.0	100000.0
31	Q1043I1	8674.00	FB13 .A31	100.0	100000.0
32	Q1043I2	8313.00	FB13 .A32	100.0	100000.0
33	Q1043I3	8416.00	FB13 .A33	100.0	100000.0
34	Q1043J1	10829.00	FB13 .A34	100.0	100000.0
35	Q1043J2	10610.00	FB13 .A35	100.0	100000.0
36	Q1043J3	10317.00	FB13 .A36	100.0	100000.0
37	Q1043K1	10251.00	FB13 .A37	100.0	100000.0
38	Q1043K2	9639.00	FB13 .A38	100.0	100000.0
39	Q1043K3	9879.00	FB13 .A39	100.0	100000.0
40	Q1043L1	10117.00	FB13 .A40	100.0	100000.0
41	Q1043L2	9763.00	FB13 .A41	100.0	100000.0
42	Q1043L3	9908.00	FB13 .A42	100.0	100000.0
43	Q1043M1	8898.00	FB13 .A43	100.0	100000.0
44	Q1043M2	8972.00	FB13 .A44	100.0	100000.0
45	Q1043M3	9057.00	FB13 .A45	100.0	100000.0
46	Q1043N1	10967.00	FB13 .A46	100.0	100000.0
47	Q1043N2	10669.00	FB13 .A47	100.0	100000.0

48	Q1043N3	10317.00	FBI3	.A48	100.0	100000.0
49	Q1043O1	10576.00	FBI3	.A49	100.0	100000.0
50	Q1043O2	10763.00	FBI3	.A50	100.0	100000.0
51	Q1043O3	10904.00	FBI3	.A51	100.0	100000.0
52	Q1043P1	8884.00	FBI3	.A52	100.0	100000.0
53	Q1043P2	7782.00	FBI3	.A53	100.0	100000.0
54	Q1043P3	8406.00	FBI3	.A54	100.0	100000.0
55	Q1043Q1	10395.00	FBI3	.A55	100.0	100000.0
56	Q1043Q2	9834.00	FBI3	.A56	100.0	100000.0
57	Q1043Q3	9917.00	FBI3	.A57	100.0	100000.0
58	Q1043R1	8735.00	FBI3	.A58	100.0	100000.0
59	Q1043R2	8579.00	FBI3	.A59	100.0	100000.0
60	Q1043R3	8851.00	FBI3	.A60	100.0	100000.0
61	Q1043S1	11651.00	FBI3	.A61	100.0	100000.0
62	Q1043S2	10623.00	FBI3	.A62	100.0	100000.0
63	Q1043S3	11384.00	FBI3	.A63	100.0	100000.0
64	Q1043T1	10721.00	FBI3	.A64	100.0	100000.0
65	Q1043T2	9540.00	FBI3	.A65	100.0	100000.0
66	Q1043T3	11001.00	FBI3	.A66	100.0	100000.0
67	Q1043U1	9057.00	FBI3	.A67	100.0	100000.0
68	Q1043U2	9088.00	FBI3	.A68	100.0	100000.0
69	Q1043U3	8204.00	FBI3	.A69	100.0	100000.0
70	Q1043V1	9538.00	FBI3	.A70	100.0	100000.0
71	Q1043V2	9176.00	FBI3	.A71	100.0	100000.0
72	Q1043V3	9369.00	FBI3	.A72	100.0	100000.0
73	Q1043W1	9342.00	FBI3	.A73	100.0	100000.0
74	Q1043W2	9870.00	FBI3	.A74	100.0	100000.0
75	Q1043W3	9707.00	FBI3	.A75	100.0	100000.0
76	Q1043X1	7776.00	FBI3	.A76	100.0	100000.0
77	Q1043X2	9008.00	FBI3	.A77	100.0	100000.0
78	Q1043X3	9088.00	FBI3	.A78	100.0	100000.0
79	Q1043Y1	9342.00	FBI3	.A79	100.0	100000.0
80	Q1043Y2	7546.00	FBI3	.A80	100.0	100000.0
81	Q1043Y3	9203.00	FBI3	.A81	100.0	100000.0
82	Q1043Z1	9818.00	FBI3	.A82	100.0	100000.0
83	Q1043Z2	9502.00	FBI3	.A83	100.0	100000.0
84	Q1043Z3	9576.00	FBI3	.A84	100.0	100000.0
85	Q1043AA1	9809.00	FBI3	.A85	100.0	100000.0
86	Q1043AA2	8245.00	FBI3	.A86	100.0	100000.0
87	Q1043AA3	8435.00	FBI3	.A87	100.0	100000.0
88	Q1043AB1	7367.00	FBI3	.A88	100.0	100000.0
89	Q1043AB2	8932.00	FBI3	.A89	100.0	100000.0
90	Q1043AB3	9033.00	FBI3	.A90	100.0	100000.0
91	Q1043AC1	8470.00	FBI3	.A91	100.0	100000.0
92	Q1043AC2	8637.00	FBI3	.A92	100.0	100000.0
93	Q1043AC3	8236.00	FBI3	.A93	100.0	100000.0
94	Q1043AD1	10683.00	FBI3	.A94	100.0	100000.0
95	Q1043AD2	10092.00	FBI3	.A95	100.0	100000.0
96	Q1043AD3	10844.00	FBI3	.A96	100.0	100000.0
97	Q1043AE1	10886.00	FBI3	.A97	100.0	100000.0
98	Q1043AE2	10875.00	FBI3	.A98	100.0	100000.0
99	Q1043AE3	10326.00	FBI3	.A99	100.0	100000.0

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00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
SAMPLE IDENTIFICATION: S626A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 13326.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1347:19 * FWHM(1332) 3.114
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 633. SEC * SHAPE PARAMETER : 10.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
*

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	68446.	7.8000E-02	0.0000E-01	1.3141E-01	5.2251E-04
%-ANTIMONY	564.1	195388.	7.2000E-01	0.0000E-01	3.5160E-02	8.0271E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 11:17:54 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
SAMPLE IDENTIFICATION: S626B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 14684.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1358:01 * FWHM(1332) 3.114
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 635. SEC * SHAPE PARAMETER : 10.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
*

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	71808.	7.8000E-02	0.0000E-01	1.2633E-01	4.9050E-04
%-ANTIMONY	564.1	208358.	7.2000E-01	0.0000E-01	3.4091E-02	7.5365E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 11:18:34 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
SAMPLE IDENTIFICATION: S626C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 17283.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1408:48 * FWHM(1332) 3.114
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 640. SEC * SHAPE PARAMETER : 10.0 %
ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

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DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR	CONSTANT	ERROR
				(1 SIGMA)		(1 SIGMA)
%-COPPER	511.0	83325.	7.8000E-02	0.0000E-01	1.2577E-01	4.5376E-04
%-ANTIMONY	564.1	241465.	7.2000E-01	0.0000E-01	3.3631E-02	6.9080E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
SAMPLE IDENTIFICATION: S604B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 14437.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1431:13 * FWHM(1332) 3.114
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 684. SEC * SHAPE PARAMETER : 10.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
*

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	6727.	1.0000E-01	0.0000E-01	8.6433E-03	1.2494E-04

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 11:20:28 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
SAMPLE IDENTIFICATION: S604C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 13597.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 19JUN80 1442:47 * FWHM(1332) 3.114
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 681. SEC * SHAPE PARAMETER : 10.0 %
ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
*

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
*

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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	6440.	1.0000E-01	0.0000E-01	8.8311E-03	1.2945E-04

SUMMARY OF STANDARD CONSTANTS:

1. ELEMENT %-COPPER AT 511.00 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.8000E-02	1.3141E-01	5.2251E-04
S626B	7.8000E-02	1.2633E-01	4.9050E-04
S626C	7.8000E-02	1.2577E-01	4.5376E-04

MEAN CONSTANT, 3 STDS:		1.2758E-01	2.8087E-04

2. ELEMENT %-ANTIMONY AT 564.09 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.2000E-01	3.5160E-02	8.0271E-03
S626B	7.2000E-01	3.4091E-02	7.5365E-03
S626C	7.2000E-01	3.3631E-02	6.9080E-03

MEAN CONSTANT, 3 STDS:		3.4220E-02	4.3001E-03

3. ELEMENT %-ARSENIC AT 657.41 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S604A	1.0000E-01	9.0633E-03	1.3094E-04
S604B	1.0000E-01	8.6433E-03	1.2494E-04
S604C	1.0000E-01	8.8311E-03	1.2945E-04

MEAN CONSTANT, 3 STDS:		8.8394E-03	7.4112E-05

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: S626A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13326.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

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 *
 ACQUISITION DATE: 19JUN80 1347:19 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 633. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

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 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009: 507. 539. 527. 514. 619. 709. 784. 987. 1374.
 1018: 2072. 3264. 5121. 7536. 10050. 12315. 12841. 11971. 9679.
 1027: 6867. 4339. 2608. 1466. 918. 587. 479. 413. 384.

% COPPER 511.0 KEV U. U 0.0803

1117: 664. 797. 961. 1087. 1072. 1146. 1320. 1911. 3460.
 1126: 7230. 14457. 25857. 36950. 42245. 37983. 26038. 13653. 5710.
 1135: 1842. 519. 238. 140. 137. 117. 117. 118. 108.

% ANTIMONY 564.0 KEV U. U 0.7398

1301: 95. 82. 70. 77. 70. 81. 76. 63. 64.
 1310: 79. 72. 81. 84. 118. 108. 111. 98. 92.
 1319: 68. 76. 73. 75. 64. 76. 79. 67. 62.

% ARSENIC 657.4 KEV U. U 0.0024

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	2813.	68446.	0.0803	0.0004	0.5
%-ANTIMONY	564.1	1796.	195388.	0.7398	0.0019	0.3
%-ARSENIC	657.4	371.	157.	0.0024	0.0005	19.2

XX
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 20 JUN 1980 11:22:09 AM XX
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00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: S626B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14684.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1358:01 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 635. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009: 561. 571. 562. 563. 631. 691. 818. 1084. 1427.
 1018: 2224. 3378. 5356. 7711. 10724. 12781. 13426. 12540. 10169.
 1027: 7421. 4635. 2816. 1616. 1003. 694. 507. 406. 364.

% COPPER 511.0 KEV 0.0772

1117: 656. 846. 1018. 1095. 1187. 1186. 1455. 1892. 3786.
 1126: 7466. 15193. 27129. 38878. 44852. 40875. 28266. 15068. 6209.
 1135: 1946. 598. 224. 172. 124. 120. 119. 129. 130.

% ANTIMONY 564.0 KEV 0.7173

1301: 84. 79. 85. 99. 70. 75. 69. 77. 81.
 1310: 77. 71. 84. 80. 112. 111. 112. 114. 113.
 1319: 97. 84. 65. 81. 72. 60. 86. 95. 76.

% ARSENIC 657.4 KEV 0.0023

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	2965.	71808.	0.0772	0.0003	0.4
%-ANTIMONY	564.1	1903.	208358.	0.7173	0.0018	0.3
%-ARSENIC	657.4	401.	161.	0.0023	0.0004	19.3

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: S626C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 17283.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1408:48 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 640. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

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DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009: 611. 639. 709. 665. 771. 786. 922. 1236. 1700.
 1018: 2563. 4098. 6224. 9139. 12203. 14867. 15728. 14621. 11828.
 1027: 8466. 5332. 3318. 1885. 1119. 742. 642. 506. 464.

% COPPER 511.0 KEV 0.0769

1117: 826. 967. 1176. 1375. 1401. 1465. 1657. 2355. 4239.
 1126: 9103. 17998. 31012. 45571. 52090. 46943. 32812. 17303. 7138.
 1135: 2309. 703. 251. 191. 187. 184. 178. 139. 156.

% ANTIMONY 564.0 KEV 0.7076

1301: 119. 96. 103. 108. 99. 108. 96. 98. 97.
 1310: 100. 81. 119. 100. 118. 159. 130. 130. 140.
 1319: 98. 106. 76. 87. 98. 102. 82. 94. 83.

% ARSENIC 657.4 KEV 0.0023

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	3527.	83325.	0.0769	0.0003	0.4
%-ANTIMONY	564.1	2264.	241465.	0.7076	0.0017	0.2
%-ARSENIC	657.4	489.	189.	0.0023	0.0004	18.1

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: S604A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13523.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 19JUN80 1419:38 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 683. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009: 1092. 1079. 1075. 1058. 1119. 1055. 1096. 1064. 1136.
 1018: 1181. 1274. 1518. 1719. 1939. 2130. 2178. 2091. 1839.
 1027: 1617. 1430. 1237. 1108. 1081. 1029. 1071. 1011. 1010.

% COPPER 511.00 KEV 0.0073

1117: 6900. 11107. 15556. 17947. 17119. 13012. 9568. 8372. 11447.
 1126: 21734. 41745. 72171. 103113. 118585. 106276. 73667. 39745. 16629.
 1135: 5756. 1882. 904. 597. 611. 555. 526. 521. 571.

% ANTIMONY 564.05 KEV 2.0606

1301: 282. 258. 274. 284. 255. 291. 258. 279. 288.
 1310: 319. 421. 573. 941. 1387. 1793. 1848. 1683. 1211.
 1319: 739. 441. 293. 230. 282. 226. 232. 231. 248.

% ARSENIC 657.40 KEV 0.1025

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCEN FR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	7349.	6164.	0.0073	0.0002	2.4
%-ANTIMONY	564.1	6224.	549078.	2.0606	0.0038	0.2
%-ARSENIC	657.4	1282.	6641.	0.1025	0.0017	1.7

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: S604B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14437.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 19JUN80 1431:13 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 684. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009: 1156. 1072. 1095. 1117. 1124. 1173. 1111. 1177. 1135.
 1018: 1222. 1269. 1549. 1754. 2037. 2164. 2251. 2286. 2112.
 1027: 1625. 1466. 1300. 1148. 1110. 1055. 1071. 1054. 1073.

% COPPER 511.00 KEV 0.0075

1117: 7039. 11243. 15598. 17989. 17498. 13639. 9761. 8458. 11476.
 1126: 21750. 42058. 72608. 104282. 120121. 109546. 76826. 41479. 17825.
 1135: 5953. 2021. 987. 696. 650. 647. 578. 558. 536.

% ANTIMONY 564.09 KEV 1.9742

1301: 353. 327. 307. 287. 297. 270. 276. 319. 301.
 1310: 335. 457. 615. 947. 1469. 1818. 1985. 1614. 1204.
 1319: 747. 432. 287. 231. 242. 250. 240. 276. 266.

% ARSENIC 657.40 KEV 0.0978

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	7598.	6631.	0.0075	0.0002	2.2
%-ANTIMONY	564.1	6454.	560466.	1.9742	0.0036	0.2
%-ARSENIC	657.4	1364.	6727.	0.0978	0.0016	1.7

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: S604C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13597.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 19JUN80 1442:47 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 681. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

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DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

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1009: 1104. 1126. 1130. 1102. 1063. 1060. 1071. 1073. 1114.
 1018: 1151. 1327. 1490. 1717. 1953. 2012. 2126. 2039. 1835.
 1027: 1601. 1413. 1219. 1101. 1030. 1043. 1044. 991. 995.

% COPPER 511.0 KEV 0.0073

1117: 6597. 10795. 15098. 17564. 16779. 12975. 9289. 8149. 11052.
 1126: 20932. 40363. 69852. 100394. 116745. 105535. 74607. 40607. 17103.
 1135: 5765. 1939. 894. 617. 574. 561. 528. 554. 511.

% ANTIMONY 564.0 KEV 2.0314

1301: 259. 276. 237. 275. 238. 257. 269. 260. 283.
 1310: 351. 439. 596. 903. 1312. 1661. 1869. 1621. 1213.
 1319: 698. 454. 303. 243. 243. 221. 256. 226. 244.

% ARSENIC 657.4 KEV 0.0999

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	7283.	6000.	0.0073	0.0002	2.4
%-ANTIMONY	564.1	6067.	542036.	2.0314	0.0038	0.2
%-ARSENIC	657.4	1236.	6440.	0.0999	0.0017	1.7

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043A1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.0370.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

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 *
 ACQUISITION DATE: 19JUN80 1454:17 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

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 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *
 XXX

1009:	42.	41.	35.	30.	38.	41.	44.	41.	48.
1018:	50.	73.	109.	108.	184.	189.	196.	218.	176.
1027:	127.	84.	63.	45.	48.	31.	26.	26.	39.

% COPPER: 511.1 ± 0.0 KEV 0.0016

1117:	28.	44.	41.	37.	38.	40.	43.	54.	67.
1126:	146.	248.	473.	609.	723.	730.	489.	309.	132.
1135:	56.	27.	19.	29.	29.	22.	29.	19.	32.

% ANTIMONY: 564.1 ± 0.9 KEV 0.0165

1301:	29.	25.	21.	20.	31.	18.	33.	23.	24.
1310:	28.	13.	27.	22.	22.	22.	23.	28.	26.
1319:	19.	32.	21.	14.	27.	21.	31.	22.	26.

% ARSENIC: 657.4 ± 0.0 KEV < 0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	216.	982.	0.0016	0.0001	3.8
%-ANTIMONY	564.1	221.	3360.	0.0165	0.0003	1.8
%-ARSENIC	657.4	115.	6. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043A2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.0264.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

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 *
 ACQUISITION DATE: 19JUN80 1504:33 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

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 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	33.	50.	46.	34.	50.	35.	44.	50.	55.
1018:	61.	93.	122.	136.	162.	206.	200.	220.	213.
1027:	135.	83.	70.	41.	53.	38.	32.	39.	36.

% COPPER 511.0 KEV 0.0017

1117:	35.	40.	32.	44.	36.	39.	51.	54.	79.
1126:	131.	251.	464.	606.	766.	659.	509.	276.	137.
1135:	66.	39.	27.	31.	36.	38.	44.	37.	40.

% ANTIMONY 564.0 KEV 0.0163

1301:	38.	37.	32.	29.	34.	27.	19.	38.	30.
1310:	28.	28.	37.	41.	32.	30.	34.	29.	33.
1319:	23.	26.	30.	39.	26.	36.	34.	32.	29.

% ARSENIC 657.4 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	253.	1019.	0.0017	0.0001	3.8
%-ANTIMONY	564.1	256.	3276.	0.0163	0.0003	1.9
%-ARSENIC	657.4	163.	11. <	0.0013	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043A3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10421.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 19JUN80 1514:47 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

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1009:	26.	32.	27.	35.	27.	39.	36.	22.	50.
1018:	61.	82.	92.	125.	153.	174.	220.	206.	193.
1027:	146.	84.	64.	51.	36.	29.	36.	27.	30.

% COPPER 511.1 ± 0.0 KEV 0.0016

1117:	41.	35.	35.	38.	30.	45.	41.	53.	79.
1126:	145.	251.	461.	655.	810.	730.	504.	294.	135.
1135:	52.	34.	26.	19.	22.	32.	24.	22.	20.

% ANTIMONY 564.1 ± 0.5 KEV 0.0172

1301:	20.	27.	21.	24.	27.	32.	29.	18.	27.
1310:	21.	22.	25.	26.	23.	20.	31.	13.	10.
1319:	21.	25.	15.	15.	24.	22.	22.	22.	21.

% ARSENIC 657.4 ± 0 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	218.	999.	0.0016	0.0001	3.8
%-ANTIMONY	564.1	210.	3495.	0.0172	0.0003	1.8
%-ARSENIC	657.4	118.	7. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043B1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8214.000 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 19JUN80 1523:02 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

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1009:	20.	26.	16.	22.	22.	35.	27.	27.	39.
1018:	43.	77.	90.	166.	168.	206.	213.	208.	165.
1027:	107.	88.	53.	31.	40.	20.	39.	27.	20.

% COPPER 511.0 ± 0.0 KEV 0.0022

1117:	22.	31.	16.	37.	30.	26.	33.	48.	49.
1126:	87.	187.	315.	504.	512.	474.	347.	212.	101.
1135:	34.	27.	11.	19.	19.	15.	30.	20.	14.

% ANTIMONY 564.0 ± 0.5 KEV 0.0151

1301:	19.	16.	16.	16.	16.	30.	11.	9.	26.
1310:	21.	20.	19.	24.	20.	28.	20.	20.	14.
1319:	19.	14.	15.	20.	18.	15.	22.	15.	18.

% ARSENIC 657.4 ± 4.0 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	162.	1071.	0.0022	0.0001	3.5
%-ANTIMONY	564.1	137.	2415.	0.0151	0.0003	2.2
%-ARSENIC	657.4	92.	12. <	0.0012	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043B2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8843.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1535:16 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

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1009:	33.	19.	28.	37.	43.	33.	47.	35.	47.
1018:	56.	51.	99.	109.	140.	174.	192.	162.	149.
1027:	122.	91.	69.	40.	41.	29.	30.	29.	30.

% COPPER 511.1 ± 0.0 KEV 0.0016

1117:	26.	34.	50.	42.	30.	48.	32.	52.	64.
1126:	124.	209.	356.	497.	643.	508.	411.	208.	126.
1135:	52.	42.	21.	29.	28.	37.	20.	24.	28.

% ANTIMONY 564.1 ± 0.9 KEV 0.0154

1301:	32.	30.	31.	25.	17.	26.	23.	27.	22.
1310:	26.	23.	21.	21.	28.	28.	29.	26.	36.
1319:	23.	25.	33.	18.	30.	27.	28.	19.	30.

% ARSENIC 657.4 ± 0.0 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	241.	807.	0.0016	0.0001	4.5
%-ANTIMONY	564.1	192.	2640.	0.0154	0.0003	2.1
%-ARSENIC	657.4	126.	22. <	0.0013	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043B3
 TYPE OF SAMP-LE: UNKNOWN
 SAMPLE QUANTITY: 7666.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1545:31 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

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1009:	32.	27.	24.	22.	22.	21.	29.	26.	45.
1018:	48.	58.	72.	94.	153.	143.	144.	173.	134.
1027:	93.	68.	55.	47.	35.	23.	24.	27.	27.

% COPPER 511.00 KEV 0.0017

1117:	19.	25.	28.	22.	37.	36.	39.	37.	73.
1126:	92.	156.	279.	457.	505.	471.	326.	169.	86.
1135:	43.	31.	24.	27.	20.	19.	25.	26.	20.

% ANTIMONY 564.05 KEV 0.0147

1301:	25.	27.	16.	23.	29.	27.	15.	13.	26.
1310:	22.	15.	10.	19.	20.	25.	27.	24.	22.
1319:	22.	30.	19.	15.	19.	22.	19.	22.	24.

% ARSENIC 657.40 KEV <0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	190.	744.	0.0017	0.0001	4.3
%-ANTIMONY	564.1	169.	2194.	0.0147	0.0003	2.3
%-ARSENIC	657.4	110.	9. <	0.0015	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043C1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9102.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1555:46 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	23.	18.	28.	24.	31.	21.	28.	42.	36.
1018:	42.	54.	77.	98.	133.	157.	176.	156.	151.
1027:	92.	81.	61.	32.	33.	33.	31.	26.	22.

% COPPER 511.1 ± 0.0 KEV 0.0015

1117:	22.	24.	35.	27.	29.	35.	47.	38.	63.
1126:	93.	220.	367.	510.	580.	589.	370.	206.	103.
1135:	40.	26.	20.	31.	20.	29.	21.	28.	27.

% ANTIMONY 564.1 ± 0.9 KEV 0.0151

1301:	12.	21.	16.	20.	18.	22.	26.	28.	25.
1310:	21.	35.	22.	17.	15.	16.	27.	24.	22.
1319:	19.	15.	12.	15.	25.	18.	17.	16.	26.

% ARSENIC 657.4 ± 0.0 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	168.	795.	0.0015	0.0001	4.2
%-ANTIMONY	564.1	174.	2668.	0.0151	0.0003	2.1
%-ARSENIC	657.4	94.	11. <	0.0011	NOT DETECTABLE	

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00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
SAMPLE IDENTIFICATION: U1043C2
TYPE OF SAMPLE: UNKNOWN
SAMPLE QUANTITY: 8505.000 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1606:00 * FWHM(1332) 3.114
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009: 43. 45. 38. 28. 33. 35. 34. 37. 48.
1018: 51. 70. 81. 119. 128. 119. 177. 164. 150.
1027: 109. 81. 74. 47. 42. 39. 48. 42. 29.

% COPPER 511.0 KEV 0.0015

1117: 29. 34. 35. 34. 40. 38. 33. 46. 63.
1126: 120. 179. 317. 490. 534. 494. 368. 227. 105.
1135: 61. 40. 26. 27. 37. 40. 26. 36. 22.

% ANTIMONY 564.4 KEV 0.0146

1301: 31. 34. 15. 35. 25. 31. 38. 23. 35.
1310: 35. 23. 25. 32. 18. 36. 27. 23. 26.
1319: 36. 27. 24. 26. 27. 35. 33. 24. 27.

% ARSENIC 657.4 KEV <0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	225.	741.	0.0015	0.0001	4.7
%-ANTIMONY	564.1	210.	2399.	0.0146	0.0003	2.2
%-ARSENIC	657.4	143.	-5. <	0.0015	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043C3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8942.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1616:16 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	29.	31.	22.	24.	31.	45.	38.	24.	41.
1018:	48.	49.	84.	113.	149.	153.	160.	155.	141.
1027:	102.	78.	51.	41.	27.	29.	28.	30.	33.

% COPPER 511.0 KEV 0.0015

1117:	28.	27.	35.	32.	34.	28.	39.	56.	76.
1126:	116.	183.	299.	506.	527.	492.	390.	226.	99.
1135:	61.	36.	22.	23.	25.	17.	24.	28.	19.

% ANTIMONY 564.0 KEV 0.0140

1301:	35.	28.	31.	26.	27.	22.	25.	37.	30.
1310:	31.	24.	33.	14.	32.	21.	15.	14.	33.
1319:	27.	27.	26.	25.	25.	24.	28.	20.	22.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	203.	770.	0.0015	0.0001	4.5
%-ANTIMONY	564.1	206.	2417.	0.0140	0.0003	2.2
%-ARSENIC	657.4	128.	-4. <	0.0014	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043D1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8282.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1626:30 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	24.	21.	21.	23.	26.	30.	26.	28.	28.
1018:	39.	43.	60.	91.	127.	136.	140.	136.	131.
1027:	86.	61.	44.	36.	22.	28.	29.	21.	12.

% COPPER 511.0 KEV 0.0016

1117:	27.	24.	20.	17.	34.	27.	43.	45.	74.
1126:	99.	182.	339.	435.	567.	529.	352.	203.	124.
1135:	39.	29.	19.	17.	22.	17.	24.	16.	9.

% ANTIMONY 564.0 KEV 0.0155

1301:	21.	14.	19.	25.	14.	18.	15.	19.	16.
1310:	14.	14.	24.	21.	17.	26.	16.	27.	19.
1319:	19.	26.	13.	16.	17.	22.	6.	27.	14.

% ARSENIC 657.4 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	133.	714.	0.0016	0.0001	4.4
%-ANTIMONY	564.1	133.	2474.	0.0155	0.0003	2.1
%-ARSENIC	657.4	89.	18. <	0.0012	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043D2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8033.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1636:45 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	35.	33.	17.	23.	21.	27.	21.	29.	25.
1018:	35.	52.	54.	76.	104.	120.	127.	136.	102.
1027:	75.	71.	39.	42.	24.	22.	30.	28.	23.

% COPPER 511.0 KEV 0.0013

1117:	27.	29.	23.	25.	28.	35.	33.	39.	47.
1126:	115.	175.	286.	420.	519.	475.	370.	208.	77.
1135:	41.	22.	29.	21.	23.	25.	23.	17.	20.

% ANTIMONY 554.0 KEV 0.0148

1301:	30.	16.	21.	19.	20.	15.	20.	23.	21.
1310:	15.	17.	17.	21.	17.	20.	32.	20.	16.
1319:	15.	20.	28.	20.	21.	22.	19.	20.	15.

% ARSENIC 657.4 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	167.	573.	0.0013	0.0001	5.3
%-ANTIMONY	564.1	163.	2290.	0.0148	0.0003	2.2
%-ARSENIC	657.4	97.	14. <	0.0013	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043D3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8515.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1646:59 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	21.	22.	28.	24.	14.	25.	25.	27.	25.
1018:	40.	44.	70.	92.	123.	131.	142.	126.	109.
1027:	72.	58.	44.	29.	34.	21.	25.	18.	23.

% COPPER 511.100 KEV 0.0014

1117:	20.	33.	27.	25.	20.	35.	31.	29.	58.
1126:	80.	178.	341.	467.	553.	491.	347.	195.	87.
1135:	38.	20.	24.	18.	22.	20.	15.	17.	20.

% ANTIMONY 564.09 KEV 0.0148

1301:	13.	19.	18.	20.	9.	14.	20.	16.	20.
1310:	9.	17.	14.	10.	17.	15.	19.	18.	23.
1319:	27.	16.	15.	16.	14.	11.	11.	18.	15.

% ARSENIC 657.40 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	151.	644.	0.0014	0.0001	4.8
%-ANTIMONY	564.1	155.	2417.	0.0148	0.0003	2.2
%-ARSENIC	657.4	75.	17. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043E1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11335.00 UNITS: UG
 SAMPLE GEOMETRY: RY4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1657:14 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	64.	70.	48.	63.	68.	57.	76.	81.	94.
1018:	141.	167.	247.	371.	483.	591.	685.	644.	478.
1027:	377.	249.	162.	118.	86.	71.	62.	54.	46.

% COPPER 511.0 KEV 0.0053

1117:	118.	124.	167.	225.	214.	171.	198.	235.	393.
1126:	862.	1697.	3238.	4675.	5254.	4854.	3443.	1908.	782.
1135:	263.	75.	31.	25.	22.	23.	26.	16.	13.

% ANTIMONY 564.0 KEV 0.1141

1301:	23.	19.	24.	29.	17.	20.	19.	19.	13.
1310:	13.	18.	30.	23.	28.	28.	32.	30.	22.
1319:	15.	17.	19.	20.	11.	12.	16.	24.	20.

% ARSENIC 657.4 KEV < 9.5264E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	375.	3254.	0.0053	0.0001	2.0
%-ANTIMONY	564.1	284.	24786.	0.1141	0.0007	0.7
%-ARSENIC	657.4	96.	45.	< 9.5264E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043E2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9146.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1707:29 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	61.	53.	49.	41.	62.	59.	73.	74.	82.
1018:	98.	142.	213.	296.	406.	519.	536.	514.	413.
1027:	299.	188.	124.	92.	82.	57.	57.	69.	40.

% COPPER 511.0 KEV 0.0054

1117:	98.	119.	144.	178.	148.	133.	152.	197.	370.
1126:	731.	1461.	2458.	3627.	4263.	3733.	2651.	1423.	585.
1135:	193.	59.	21.	20.	23.	16.	21.	17.	16.

% ANTIMONY 564.0 KEV 0.1107

1301:	17.	15.	21.	17.	17.	20.	18.	16.	18.
1310:	20.	17.	31.	26.	17.	27.	25.	24.	25.
1319:	13.	23.	20.	12.	20.	19.	19.	18.	15.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	347.	2637.	0.0054	0.0001	2.2
%-ANTIMONY	564.1	250.	19366.	0.1107	0.0008	0.7
%-ARSENIC	657.4	89.	37. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043E3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11250.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1717:42 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	50.	68.	56.	72.	45.	73.	73.	76.	92.
1018:	125.	203.	269.	368.	488.	592.	640.	550.	482.
1027:	353.	215.	158.	99.	73.	81.	51.	57.	51.

% COPPER 511.0 KEV 0.0052

1117:	88.	138.	228.	184.	188.	197.	191.	242.	454.
1126:	930.	1855.	3182.	4714.	5382.	4837.	3255.	1708.	704.
1135:	247.	70.	17.	17.	18.	13.	20.	18.	17.

% ANTIMONY 564.0 KEV 0.1146

1301:	22.	20.	15.	20.	20.	18.	15.	18.	19.
1310:	20.	15.	26.	22.	20.	28.	30.	30.	28.
1319:	23.	11.	19.	15.	20.	15.	15.	14.	14.

% ARSENIC 657.40 KEV 0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	384.	3089.	0.0052	0.0001	2.0
%-ANTIMONY	564.1	307.	24626.	0.1146	0.0008	0.7
%-ARSENIC	657.4	86.	50.	0.0010	0.0003	29.8

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: R1043F1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8975.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1727:57 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	37.	33.	41.	31.	40.	40.	50.	62.	55.
1018:	91.	112.	173.	236.	278.	368.	379.	359.	289.
1027:	210.	124.	92.	49.	52.	44.	39.	37.	44.

% COPPER 511.0 KEV 0.0040

1117:	77.	81.	78.	124.	123.	99.	104.	138.	238.
1126:	506.	1088.	1800.	2501.	2994.	2610.	1782.	907.	387.
1135:	126.	37.	23.	15.	15.	17.	19.	10.	19.

% ANTIMONY 564.07 KEV 0.0788

1301:	12.	7.	11.	17.	18.	19.	21.	21.	21.
1310:	12.	21.	16.	18.	16.	30.	19.	25.	20.
1319:	27.	19.	11.	12.	11.	18.	19.	14.	14.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	250.	1869.	0.0040	0.0001	2.6
%-ANTIMONY	564.1	204.	13478.	0.0788	0.0007	0.9
%-ARSENIC	657.4	73.	10. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043F2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8626.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1
 XX

ACQUISITION DATE: 19JUN80 1738:11 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *
 XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *
 XX

1009:	48.	42.	32.	41.	42.	42.	41.	50.	59.
1018:	89.	92.	156.	209.	302.	353.	367.	326.	254.
1027:	187.	137.	85.	63.	44.	46.	33.	33.	35.

% COPPER 511.0 KEV 0.0039

1117:	57.	83.	94.	110.	96.	111.	101.	146.	259.
1126:	461.	990.	1639.	2451.	2740.	2366.	1600.	810.	320.
1135:	118.	30.	25.	24.	17.	19.	18.	23.	22.

% ANTIMONY 564.0 KEV 0.0756

1301:	15.	12.	14.	16.	19.	9.	12.	16.	23.
1310:	12.	19.	19.	18.	17.	31.	24.	23.	17.
1319:	22.	16.	17.	16.	18.	21.	24.	14.	17.

% ARSENIC 657.4 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	258.	1740.	0.0039	0.0001	2.7
%-ANTIMONY	564.1	190.	12406.	0.0756	0.0007	0.9
%-ARSENIC	657.4	82.	32. <	0.0012	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043F3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9262.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1748:25 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 400. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	56.	37.	50.	39.	34.	47.	46.	56.	64.
1018:	70.	107.	157.	200.	248.	366.	365.	305.	269.
1027:	207.	113.	89.	60.	49.	48.	25.	30.	37.

% COPPER 511.0 KEV 0.0036

1117:	62.	87.	103.	115.	115.	96.	93.	146.	259.
1126:	523.	1049.	1872.	2492.	2896.	2476.	1535.	868.	368.
1135:	122.	47.	24.	16.	18.	19.	17.	15.	26.

% ANTIMONY 564.0 KEV 0.0739

1301:	21.	25.	12.	13.	19.	20.	19.	16.	17.
1310:	21.	14.	16.	20.	27.	22.	36.	20.	20.
1319:	26.	21.	13.	18.	18.	18.	20.	10.	23.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	267.	1693.	0.0036	0.0001	2.8
%-ANTIMONY	564.1	185.	13003.	0.0739	0.0007	0.9
%-ARSENIC	657.4	87.	39. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043G1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8069.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1758:40 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	23.	19.	21.	13.	27.	31.	25.	32.	33.
1018:	35.	52.	83.	97.	126.	170.	145.	148.	128.
1027:	88.	55.	51.	23.	29.	21.	23.	21.	22.

% COPPER 511.0 KEV 0.0018

1117:	19.	20.	15.	22.	19.	32.	29.	51.	67.
1126:	138.	275.	445.	615.	677.	552.	366.	195.	97.
1135:	31.	15.	18.	9.	14.	20.	17.	15.	9.

% ANTIMONY 564.09 KEV 0.0197

1301:	16.	8.	11.	17.	20.	17.	8.	5.	15.
1310:	16.	16.	14.	18.	14.	11.	18.	10.	12.
1319:	12.	9.	13.	11.	6.	12.	18.	17.	17.

% ARSENIC 657.40 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	146.	756.	0.0018	0.0001	4.3
%-ANTIMONY	564.1	117.	3008.	0.0197	0.0004	1.9
%-ARSENIC	657.4	69.	7. <	0.0012	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043G2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8135.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1808:54 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	27.	27.	29.	29.	29.	22.	29.	35.	43.
1018:	45.	64.	95.	111.	165.	166.	193.	169.	142.
1027:	98.	57.	42.	28.	24.	33.	27.	13.	19.

% COPPER 511.0 KEV 0.0021

1117:	33.	24.	29.	42.	27.	41.	29.	55.	82.
1126:	153.	260.	428.	580.	713.	553.	372.	219.	84.
1135:	42.	19.	18.	18.	15.	18.	18.	21.	20.

% ANTIMONY 564.0 KEV 0.0192

1301:	18.	17.	17.	27.	17.	25.	18.	26.	21.
1310:	23.	20.	27.	24.	21.	27.	25.	24.	15.
1319:	21.	22.	19.	22.	17.	8.	13.	17.	25.

% ARSENIC 657.4 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	176.	868.	0.0021	0.0001	4.0
%-ANTIMONY	564.1	163.	2962.	0.0192	0.0004	1.9
%-ARSENIC	657.4	90.	34. <	0.0013	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043H1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7525.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX
 *
 ACQUISITION DATE: 19JUN80 1829:23 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	32.	31.	34.	29.	27.	32.	44.	51.	62.
1018:	71.	116.	162.	246.	289.	357.	367.	354.	276.
1027:	214.	129.	105.	62.	49.	29.	27.	37.	35.

% COPPER 511.0 00 KEV 0.0050

1117:	42.	49.	41.	49.	50.	58.	65.	73.	152.
1126:	269.	555.	1018.	1399.	1556.	1315.	849.	437.	174.
1135:	80.	24.	21.	16.	13.	26.	21.	16.	19.

% ANTIMONY 564.05 KEV 0.0490

1301:	13.	10.	23.	13.	13.	14.	19.	14.	22.
1310:	14.	13.	19.	28.	14.	24.	14.	17.	16.
1319:	14.	19.	18.	23.	12.	15.	20.	9.	9.

% ARSENIC 657.40 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	224.	1879.	0.0050	0.0001	2.6
%-ANTIMONY	564.1	181.	6948.	0.0490	0.0006	1.2
%-ARSENIC	657.4	76.	23. <	0.0013	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043H2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 6800.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 19JUN80 1839:38 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	37.	23.	33.	28.	27.	41.	29.	43.	61.
1018:	54.	88.	165.	230.	288.	336.	348.	328.	277.
1027:	170.	139.	66.	52.	38.	36.	28.	33.	33.

% COPPER 511.000 KEV 0.0053

1117:	29.	43.	47.	35.	54.	51.	58.	67.	122.
1126:	223.	525.	892.	1191.	1314.	1225.	837.	409.	196.
1135:	71.	38.	15.	24.	24.	14.	22.	16.	16.

% ANTIMONY 564.000 KEV 0.0487

1301:	18.	21.	15.	18.	14.	15.	17.	14.	24.
1310:	19.	23.	15.	21.	17.	21.	25.	21.	17.
1319:	17.	20.	19.	12.	21.	11.	15.	16.	20.

% ARSENIC 657.400 KEV <0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	217.	1760.	0.0053	0.0001	2.7
%-ANTIMONY	564.1	164.	6229.	0.0487	0.0006	1.3
%-ARSENIC	657.4	79.	26. <	0.0015	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043H3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7682.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1849:53 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	34.	26.	27.	30.	40.	37.	41.	47.	47.
1018:	85.	115.	161.	238.	293.	365.	368.	354.	282.
1027:	195.	148.	82.	44.	41.	33.	32.	32.	22.

% COPPER 511.0 KEV 0.0050

1117:	29.	42.	52.	49.	51.	48.	78.	78.	135.
1126:	266.	565.	924.	1394.	1479.	1316.	907.	494.	174.
1135:	77.	26.	13.	13.	21.	24.	11.	11.	19.

% ANTIMONY 564.0 KEV 0.0479

1301:	16.	17.	15.	23.	21.	24.	20.	10.	16.
1310:	17.	18.	11.	20.	24.	18.	17.	22.	17.
1319:	16.	27.	18.	17.	13.	16.	13.	22.	15.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	228.	1868.	0.0050	0.0001	2.6
%-ANTIMONY	564.1	160.	6919.	0.0479	0.0006	1.2
%-ARSENIC	657.4	91.	-0. <	0.0014	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043I1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8674.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1900:06 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	14.	22.	16.	18.	14.	20.	21.	27.	36.
1018:	47.	66.	78.	104.	138.	164.	193.	151.	127.
1027:	102.	69.	45.	42.	24.	25.	17.	22.	15.

% COPPER 511.0 KEV 0.0020

1117:	16.	24.	13.	19.	18.	26.	24.	40.	71.
1126:	136.	270.	439.	663.	774.	711.	455.	212.	133.
1135:	37.	25.	13.	8.	15.	13.	21.	8.	12.

% ANTIMONY 564.09 KEV 0.0210

1301:	16.	9.	10.	11.	12.	14.	9.	17.	14.
1310:	14.	14.	8.	17.	14.	9.	14.	4.	18.
1319:	14.	19.	5.	11.	9.	15.	14.	13.	13.

% ARSENIC 657.40 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	127.	852.	0.0020	0.0001	3.9
%-ANTIMONY	564.1	115.	3409.	0.0210	0.0004	1.8
%-ARSENIC	657.4	59.	3. <	0.0010	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043I2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8313.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1910:21 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	17.	24.	17.	20.	28.	25.	21.	28.	36.
1018:	43.	60.	68.	121.	154.	174.	187.	159.	132.
1027:	102.	58.	37.	35.	22.	23.	13.	17.	14.

% COPPER 511.0 KEV 0.0022

1117:	29.	18.	23.	27.	15.	23.	25.	26.	58.
1126:	120.	272.	420.	628.	730.	663.	456.	221.	109.
1135:	47.	21.	15.	16.	13.	15.	13.	15.	23.

% ANTIMONY 564.0 KEV 0.0210

1301:	15.	7.	12.	10.	17.	14.	14.	21.	16.
1310:	11.	14.	9.	20.	11.	9.	17.	13.	13.
1319:	14.	14.	18.	14.	13.	17.	18.	10.	25.

% ARSENIC 657.4 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	154.	875.	0.0022	0.0001	3.9
%-ANTIMONY	564.1	120.	3270.	0.0210	0.0004	1.8
%-ARSENIC	657.4	66.	4. <	0.0012	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043I3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8416.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1920:36 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	22.	28.	17.	19.	24.	28.	26.	29.	38.
1018:	36.	56.	77.	106.	138.	171.	179.	161.	148.
1027:	103.	71.	37.	31.	23.	25.	15.	20.	16.

% COPPER 511.0 KEV 0.0022

1117:	20.	20.	21.	26.	24.	22.	29.	41.	61.
1126:	147.	232.	421.	605.	698.	692.	463.	244.	123.
1135:	47.	18.	22.	11.	16.	11.	11.	14.	11.

% ANTIMONY 564.0 KEV 0.0207

1301:	13.	18.	9.	16.	14.	12.	10.	12.	11.
1310:	8.	10.	15.	16.	19.	15.	15.	9.	16.
1319:	13.	12.	17.	10.	18.	11.	10.	11.	14.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	136.	870.	0.0022	0.0001	3.9
%-ANTIMONY	564.1	104.	3251.	0.0207	0.0004	1.8
%-ARSENIC	657.4	65.	16. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043J1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10829.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 1930:50 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	40.	25.	31.	29.	26.	37.	31.	41.	40.
1018:	64.	86.	121.	167.	245.	257.	264.	252.	196.
1027:	151.	107.	79.	49.	35.	32.	26.	22.	39.

% COPPER 511.0 KEV 0.0026

1117:	39.	40.	41.	54.	58.	57.	69.	88.	160.
1126:	372.	731.	1283.	1849.	2215.	1912.	1268.	695.	307.
1135:	107.	32.	24.	9.	21.	14.	16.	11.	19.

% ANTIMONY 564.0 KEV 0.0485

1301:	18.	9.	15.	15.	15.	13.	14.	16.	11.
1310:	16.	14.	11.	8.	12.	7.	17.	16.	15.
1319:	11.	13.	13.	9.	17.	19.	14.	9.	9.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	197.	1335.	0.0026	0.0001	3.1
%-ANTIMONY	564.1	153.	9800.	0.0485	0.0005	1.0
%-ARSENIC	657.4	68.	-0.	< 9.0415E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043J2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10610.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX
 *
 ACQUISITION DATE: 19JUN80 1941:05 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	24.	28.	26.	26.	34.	35.	32.	47.	53.
1018:	71.	71.	139.	166.	204.	263.	282.	257.	209.
1027:	163.	107.	71.	46.	49.	28.	24.	38.	41.

% COPPER 511.0 KEV 0.0027

1117:	38.	37.	47.	51.	56.	77.	63.	95.	184.
1126:	332.	749.	1346.	1938.	2181.	2048.	1404.	777.	319.
1135:	111.	32.	25.	16.	22.	20.	18.	18.	18.

% ANTIMONY 564.09 KEV 0.0520

1301:	16.	13.	13.	12.	9.	13.	16.	9.	7.
1310:	13.	9.	15.	18.	27.	26.	28.	15.	15.
1319:	19.	14.	19.	16.	14.	18.	16.	13.	13.

% ARSENIC 657.40 KEV 0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	204.	1340.	0.0027	0.0001	3.1
%-ANTIMONY	564.1	174.	10269.	0.0520	0.0005	1.0
%-ARSENIC	657.4	69.	46.	0.0010	0.0003	29.7

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043J3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10317.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 1951:20 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	23.	35.	27.	23.	42.	27.	37.	27.	42.
1018:	60.	72.	101.	147.	189.	216.	220.	206.	187.
1027:	144.	101.	75.	60.	15.	30.	32.	25.	24.

% COPPER 511.1 200 KEV 0.0023

1117:	32.	30.	43.	33.	45.	55.	64.	97.	124.
1126:	305.	642.	1153.	1668.	1955.	1734.	1242.	683.	298.
1135:	85.	24.	14.	16.	23.	7.	14.	12.	10.

% ANTIMONY 564.1 49 KEV 0.0466

1301:	9.	6.	9.	11.	7.	12.	17.	7.	15.
1310:	15.	16.	13.	14.	15.	14.	15.	15.	14.
1319:	13.	12.	14.	14.	10.	12.	12.	5.	14.

% ARSENIC 657.4 40 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	200.	1109.	0.0023	0.0001	3.5
%-ANTIMONY	564.1	141.	8936.	0.0466	0.0005	1.1
%-ARSENIC	657.4	49.	23.	< 8.2528E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043K1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10251.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 19JUN80 2001:33 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	24.	30.	24.	24.	30.	29.	29.	26.	37.
1018:	52.	62.	96.	128.	175.	219.	233.	175.	153.
1027:	153.	91.	62.	38.	31.	25.	23.	22.	23.

% COPPER 511.0 KEV 0.0023

1117:	23.	29.	30.	35.	28.	37.	45.	67.	89.
1126:	197.	416.	672.	980.	1139.	1050.	742.	397.	145.
1135:	70.	36.	20.	13.	17.	13.	13.	24.	18.

% ANTIMONY 564.0 KEV 0.0276

1301:	23.	17.	12.	10.	14.	18.	14.	18.	17.
1310:	17.	9.	11.	18.	15.	16.	11.	21.	16.
1319:	13.	13.	21.	20.	10.	14.	16.	16.	21.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	162.	1074.	0.0023	0.0001	3.5
%-ANTIMONY	564.1	146.	5250.	0.0276	0.0004	1.4
%-ARSENIC	657.4	74.	7. <	0.0010	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043K2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9639.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2011:48 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	13.	23.	33.	25.	25.	27.	27.	29.	31.
1018:	40.	59.	88.	99.	151.	193.	179.	157.	149.
1027:	110.	66.	64.	39.	32.	30.	30.	33.	16.

% COPPER 511.0 00 KEV 0.0020

1117:	29.	19.	17.	43.	38.	28.	33.	44.	75.
1126:	168.	275.	491.	738.	828.	776.	526.	337.	141.
1135:	42.	26.	13.	13.	14.	29.	14.	16.	12.

% ANTIMONY 564.0 00 KEV 0.0215

1301:	14.	18.	14.	12.	18.	19.	17.	18.	19.
1310:	15.	19.	19.	19.	17.	14.	20.	14.	17.
1319:	19.	15.	17.	15.	18.	11.	24.	21.	15.

% ARSENIC 657.4 00 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	159.	879.	0.0020	0.0001	3.9
%-ANTIMONY	564.1	133.	3838.	0.0215	0.0004	1.7
%-ARSENIC	657.4	85.	4. <	0.0012	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043K3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9879.000 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 19JUN80 2022:02 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	15.	29.	20.	17.	26.	23.	21.	36.	34.
1018:	48.	50.	85.	93.	130.	160.	172.	150.	155.
1027:	105.	55.	45.	28.	25.	17.	29.	25.	15.

% COPPER 511.0 KEV 0.0019

1117:	25.	24.	25.	33.	29.	20.	32.	41.	71.
1126:	109.	272.	431.	637.	789.	745.	473.	257.	126.
1135:	44.	19.	15.	14.	10.	21.	18.	25.	11.

% ANTIMONY 564.0 KEV 0.0191

1301:	13.	16.	15.	15.	18.	14.	4.	12.	11.
1310:	7.	11.	11.	20.	13.	17.	16.	17.	14.
1319:	12.	12.	11.	9.	19.	13.	11.	12.	19.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	144.	821.	0.0019	0.0001	4.1
%-ANTIMONY	564.1	112.	3492.	0.0191	0.0003	1.8
%-ARSENIC	657.4	71.	12. <	0.0010	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043L1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10117.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2032:15 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	34.	31.	37.	46.	45.	51.	32.	38.	56.
1018:	73.	126.	170.	286.	369.	443.	450.	402.	352.
1027:	272.	186.	108.	72.	48.	42.	30.	28.	22.

% COPPER 511.0 KEV 0.0052

1117:	45.	62.	62.	43.	56.	60.	55.	87.	177.
1126:	291.	606.	1089.	1663.	1942.	1743.	1270.	728.	310.
1135:	108.	47.	31.	28.	24.	25.	25.	21.	23.

% ANTIMONY 564.0 KEV 0.0473

1301:	17.	16.	28.	20.	18.	27.	16.	28.	24.
1310:	24.	20.	19.	21.	19.	20.	28.	28.	17.
1319:	21.	17.	19.	12.	24.	29.	17.	20.	18.

% ARSENIC 657.4 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	253.	2321.	0.0052	0.0001	2.3
%-ANTIMONY	564.1	214.	8828.	0.0473	0.0005	1.1
%-ARSENIC	657.4	106.	11. <	0.0012	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043L2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9763.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2042:30 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	50.	41.	48.	58.	43.	50.	41.	49.	65.
1018:	97.	114.	181.	259.	345.	437.	375.	410.	344.
1027:	259.	162.	117.	68.	50.	42.	31.	28.	38.

% COPPER 511.0 KEV 0.0050

1117:	62.	54.	58.	93.	65.	66.	72.	102.	160.
1126:	301.	558.	1088.	1538.	1841.	1670.	1159.	673.	295.
1135:	112.	41.	36.	22.	25.	28.	29.	25.	22.

% ANTIMONY 564.09 KEV 0.0462

1301:	27.	27.	21.	22.	31.	29.	19.	25.	29.
1310:	17.	31.	27.	31.	23.	23.	33.	31.	23.
1319:	32.	18.	29.	34.	27.	20.	21.	22.	26.

% ARSENIC 657.40 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	296.	2133.	0.0050	0.0001	2.5
%-ANTIMONY	564.1	227.	8300.	0.0462	0.0005	1.1
%-ARSENIC	657.4	127.	14. <	0.0014	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043L3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9908.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 19JUN80 2052:45 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	28.	23.	30.	31.	33.	37.	31.	42.	44.
1018:	72.	102.	150.	243.	306.	398.	394.	399.	310.
1027:	231.	137.	87.	65.	42.	36.	22.	34.	31.

% COPPER 511.0 KEV 0.0049

1117:	33.	50.	51.	45.	57.	57.	61.	81.	127.
1126:	291.	555.	1092.	1576.	1974.	1747.	1222.	669.	288.
1135:	103.	27.	20.	8.	16.	13.	7.	11.	13.

% ANTIMONY 564.0 KEV 0.0478

1301:	10.	17.	11.	9.	15.	11.	11.	11.	12.
1310:	7.	12.	8.	14.	8.	7.	15.	12.	14.
1319:	11.	11.	13.	15.	16.	9.	7.	7.	12.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	156.	2125.	0.0049	0.0001	2.3
%-ANTIMONY	564.1	125.	8710.	0.0478	0.0005	1.1
%-ARSENIC	657.4	59.	-2.	< 9.5834E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043M1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8898.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2102:59 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	16.	24.	29.	25.	20.	21.	33.	38.	34.
1018:	50.	63.	103.	139.	183.	216.	222.	206.	181.
1027:	124.	98.	68.	37.	34.	26.	22.	31.	17.

% COPPER 511.0 00 KEV 0.0025

1117:	34.	39.	45.	40.	64.	54.	60.	72.	115.
1126:	277.	592.	908.	1464.	1671.	1498.	1107.	578.	237.
1135:	89.	26.	13.	12.	14.	10.	11.	16.	13.

% ANTIMONY 564.00 KEV 0.0470

1301:	21.	13.	10.	8.	15.	9.	15.	5.	13.
1310:	9.	7.	16.	15.	17.	16.	14.	11.	9.
1319:	10.	14.	16.	14.	19.	18.	9.	12.	12.

% ARSENIC 657.40 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	162.	1109.	0.0029	0.0001	3.4
%-ANTIMONY	564.1	139.	7679.	0.0470	0.0005	1.2
%-ARSENIC	657.4	64.	15. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043M2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8972.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 2113:14 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	37.	34.	27.	21.	43.	39.	25.	30.	45.
1018:	38.	59.	102.	174.	167.	213.	200.	221.	191.
1027:	139.	114.	75.	38.	40.	30.	32.	27.	32.

% COPPER 511.0 KEV 0.0029

1117:	29.	59.	62.	59.	62.	64.	45.	92.	111.
1126:	267.	513.	894.	1370.	1710.	1471.	1118.	584.	255.
1135:	91.	27.	21.	14.	18.	14.	14.	13.	24.

% ANTIMONY 564.0 KEV 0.0456

1301:	14.	21.	15.	12.	19.	23.	16.	20.	15.
1310:	14.	21.	19.	16.	13.	17.	24.	21.	18.
1319:	17.	24.	14.	11.	17.	28.	16.	14.	21.

% ARSENIC 657.4 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	197.	1108.	0.0029	0.0001	3.5
%-ANTIMONY	564.1	167.	7493.	0.0456	0.0005	1.2
%-ARSENIC	657.4	88.	5. <	0.0013	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043M3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9057.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2123:28 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	27.	25.	26.	21.	28.	36.	32.	38.	34.
1018:	47.	64.	83.	126.	172.	218.	232.	225.	167.
1027:	134.	110.	51.	46.	24.	31.	20.	29.	26.

% COPPER 511.0 KEV 0.0025

1117:	31.	47.	61.	66.	60.	62.	60.	78.	144.
1126:	262.	559.	1017.	1496.	1628.	1599.	1147.	618.	286.
1135:	89.	25.	16.	10.	16.	8.	14.	16.	9.

% ANTIMONY 564.0 KEV 0.0475

1301:	12.	10.	13.	15.	11.	8.	13.	13.	14.
1310:	14.	11.	9.	15.	16.	12.	16.	18.	15.
1319:	18.	16.	15.	14.	11.	9.	11.	11.	16.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	165.	1109.	0.0029	0.0001	3.4
%-ANTIMONY	564.1	131.	7933.	0.0479	0.0005	1.1
%-ARSENIC	657.4	57.	21. <	0.0010	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043N1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10967.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 2133:43 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	17.	18.	16.	17.	15.	24.	15.	25.	26.
1018:	22.	44.	73.	96.	122.	125.	165.	149.	105.
1027:	81.	64.	44.	32.	26.	25.	20.	12.	15.

% COPPER 511.0 KEV 0.0016

1117:	18.	16.	13.	19.	13.	35.	22.	37.	46.
1126:	124.	273.	438.	683.	772.	751.	517.	276.	154.
1135:	40.	18.	10.	10.	6.	10.	12.	3.	14.

% ANTIMONY 564.0 KEV 0.0018

1301:	18.	11.	9.	7.	4.	17.	7.	12.	9.
1310:	10.	10.	9.	17.	7.	8.	8.	11.	13.
1319:	8.	10.	10.	5.	12.	10.	6.	8.	5.

% ARSENIC 657.4 KEV <0.0016

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	114.	729.	0.0016	0.0001	4.3
%-ANTIMONY	564.1	109.	3602.	0.0180	0.0003	1.7
%-ARSENIC	657.4	45.	7. <	7.7682E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043N2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.0669.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2143:58 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	15.	18.	20.	19.	21.	23.	27.	25.	26.
1018:	31.	52.	49.	75.	114.	117.	141.	134.	98.
1027:	77.	74.	47.	26.	12.	18.	16.	21.	18.

% COPPER 511.0 KEV 0.0014

1117:	17.	18.	22.	32.	25.	25.	23.	35.	77.
1126:	111.	229.	436.	612.	674.	607.	483.	242.	119.
1135:	42.	27.	11.	11.	16.	13.	17.	15.	10.

% ANTIMONY 564.0 KEV 0.0163

1301:	11.	14.	16.	9.	13.	11.	14.	12.	7.
1310:	15.	7.	8.	9.	14.	15.	15.	16.	10.
1319:	17.	13.	10.	15.	16.	13.	13.	22.	12.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	151.	605.	0.0014	0.0001	5.0
%-ANTIMONY	564.1	118.	3165.	0.0163	0.0003	1.8
%-ARSENIC	657.4	71.	-1.	< 9.9622E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043N3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10317.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2154:13 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	16.	23.	18.	18.	13.	20.	20.	17.	16.
1018:	26.	51.	54.	66.	105.	109.	130.	116.	102.
1027:	70.	52.	35.	30.	17.	23.	24.	14.	11.

% COPPER 511.1 ± 0.0 KEV 0 ± 0.014

1117:	13.	13.	17.	17.	22.	14.	26.	34.	61.
1126:	107.	186.	402.	589.	698.	665.	414.	250.	106.
1135:	42.	14.	11.	9.	13.	8.	7.	12.	16.

% ANTIMONY 564.1 ± 0.9 KEV 0 ± 0.166

1301:	8.	9.	12.	13.	8.	11.	9.	14.	14.
1310:	9.	15.	8.	7.	18.	6.	9.	7.	11.
1319:	8.	8.	8.	5.	14.	8.	8.	6.	10.

% ARSENIC 657.4 ± 0.7 KEV < 0 ± 0.009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	111.	587.	0.0014	0.0001	4.8
%-ANTIMONY	564.1	92.	3112.	0.0166	0.0003	1.8
%-ARSENIC	657.4	47.	7.	< 8.5445E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q104301
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.0576.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2204:27 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	19.	16.	15.	16.	11.	17.	12.	19.	20.
1018:	28.	40.	67.	68.	85.	103.	122.	103.	96.
1027:	84.	52.	29.	20.	16.	15.	13.	15.	4.

% COPPER 511.0 KEV 0.0013

1117:	19.	14.	13.	9.	16.	15.	20.	31.	56.
1126:	116.	165.	341.	515.	591.	583.	409.	235.	111.
1135:	37.	19.	14.	9.	9.	7.	12.	6.	6.

% ANTIMONY 564.0 KEV 0.0144

1301:	6.	10.	25.	8.	6.	11.	3.	7.	5.
1310:	6.	10.	6.	7.	10.	7.	7.	3.	16.
1319:	12.	7.	13.	9.	7.	4.	10.	6.	6.

% ARSENIC 657.4 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	90.	571.	0.0013	0.0001	4.8
%-ANTIMONY	564.1	83.	2756.	0.0144	0.0003	2.0
%-ARSENIC	657.4	48.	-9.	< 8.4545E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q104302
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.0363.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 2214:38 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	17.	19.	20.	18.	14.	15.	17.	21.	28.
1018:	26.	26.	49.	81.	100.	113.	113.	101.	107.
1027:	70.	50.	30.	25.	14.	17.	13.	16.	17.

% COPPER 511.0 KEV <0.0014

1117:	13.	14.	19.	21.	22.	27.	24.	28.	66.
1126:	120.	220.	358.	548.	630.	576.	448.	229.	117.
1135:	34.	20.	12.	18.	9.	10.	8.	9.	9.

% ANTIMONY 564.0 KEV <0.0155

1301:	13.	5.	10.	11.	11.	6.	10.	12.	9.
1310:	6.	7.	8.	12.	11.	9.	13.	13.	13.
1319:	8.	14.	10.	7.	11.	13.	14.	9.	9.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	117.	568.	0.0014	0.0001	5.0
%-ANTIMONY	564.1	99.	2910.	0.0155	0.0003	1.9
%-ARSENIC	657.4	49.	11.	< 8.7085E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q104303
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10704.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1
 XX

ACQUISITION DATE: 19JUN80 2224:51 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	10.	13.	17.	26.	17.	17.	15.	11.	24.
1018:	45.	46.	87.	88.	142.	139.	170.	168.	135.
1027:	98.	58.	47.	29.	25.	21.	13.	19.	18.

% COPPER 511.0 ± 0.0 KEV 0.0020

1117:	24.	20.	10.	23.	21.	24.	29.	30.	51.
1126:	103.	194.	375.	483.	655.	611.	391.	256.	117.
1135:	42.	11.	11.	10.	18.	17.	12.	7.	13.

% ANTIMONY 564.0 ± 0.5 KEV 0.0148

1301:	10.	14.	12.	13.	8.	9.	8.	8.	8.
1310:	11.	11.	7.	10.	9.	9.	15.	14.	7.
1319:	7.	14.	9.	10.	8.	14.	16.	10.	16.

% ARSENIC 657.4 ± 0 KEV < 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	101.	839.	0.0020	0.0001	3.9
%-ANTIMONY	564.1	97.	2868.	0.0148	0.0003	1.9
%-ARSENIC	657.4	57.	0.	< 9.1262E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043F1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8884.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 2235:06 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	31.	14.	25.	21.	23.	24.	24.	17.	22.
1018:	36.	43.	54.	93.	97.	101.	135.	119.	95.
1027:	79.	54.	37.	34.	20.	13.	22.	15.	17.

% COPPER 511.0 KEV 0.0017

1117:	25.	16.	9.	26.	23.	33.	33.	30.	62.
1126:	123.	248.	385.	550.	736.	655.	438.	250.	105.
1135:	48.	21.	16.	9.	10.	9.	7.	17.	13.

% ANTIMONY 564.0 KEV 0.0197

1301:	14.	11.	11.	10.	8.	14.	11.	14.	8.
1310:	15.	7.	8.	7.	8.	11.	5.	9.	9.
1319:	12.	6.	13.	15.	15.	9.	8.	11.	9.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	112.	607.	0.0017	0.0001	4.8
%-ANTIMONY	564.1	102.	3160.	0.0197	0.0004	1.8
%-ARSENIC	657.4	56.	-15. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043P3
 TYPE OF SAMP-LE: UNKNOWN
 SAMPLE QUANTITY: 8406.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 2255:34 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *
 XXX

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *
 XXX

1009:	23.	18.	26.	20.	20.	16.	15.	21.	25.
1018:	29.	43.	50.	63.	95.	116.	137.	123.	95.
1027:	69.	48.	29.	26.	22.	28.	11.	16.	22.

% COPPER 511.0 KEV 0.0017

1117:	16.	11.	20.	27.	25.	28.	23.	36.	57.
1126:	117.	225.	414.	603.	623.	673.	478.	266.	121.
1135:	40.	23.	9.	17.	12.	10.	13.	13.	9.

% ANTIMONY 564.05 KEV 0.0211

1301:	11.	9.	7.	13.	6.	17.	14.	14.	11.
1310:	11.	16.	6.	8.	13.	11.	14.	8.	10.
1319:	15.	12.	10.	6.	12.	18.	20.	9.	11.

% ARSENIC 657.40 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	125.	573.	0.0017	0.0001	5.0
%-ANTIMONY	564.1	89.	3193.	0.0211	0.0004	1.8
%-ARSENIC	657.4	59.	-5. <	0.0012	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043Q1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10395.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2305:49 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	22.	13.	16.	21.	20.	17.	17.	19.	23.
1018:	20.	44.	52.	73.	101.	137.	127.	149.	119.
1027:	74.	55.	49.	32.	21.	18.	16.	16.	13.

% COPPER 511.0 KEV 0.0017

1117:	16.	12.	23.	20.	19.	27.	33.	34.	55.
1126:	119.	240.	469.	671.	754.	736.	506.	298.	118.
1135:	44.	21.	13.	8.	17.	12.	12.	13.	12.

% ANTIMONY 564.0 KEV 0.0193

1301:	15.	12.	11.	11.	14.	12.	10.	13.	7.
1310:	7.	6.	13.	11.	16.	8.	10.	10.	7.
1319:	5.	11.	12.	14.	13.	13.	7.	11.	8.

% ARSENIC 657.40 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	108.	672.	0.0017	0.0001	4.4
%-ANTIMONY	564.1	81.	3594.	0.0193	0.0003	1.7
%-ARSENIC	657.4	59.	-1.	< 9.7225E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043Q2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9834.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 19JUN80 2316:04 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	21.	19.	18.	20.	20.	26.	20.	23.	26.
1018:	20.	32.	59.	61.	101.	143.	126.	143.	101.
1027:	66.	45.	53.	31.	30.	17.	20.	20.	13.

% COPPER 511.1 ± 0.0 KEV 0.0016

1117:	19.	12.	20.	23.	17.	19.	30.	42.	74.
1126:	109.	239.	421.	635.	715.	683.	508.	265.	113.
1135:	50.	15.	13.	11.	14.	10.	15.	6.	11.

% ANTIMONY 564.1 ± 0.5 KEV 0.0191

1301:	10.	11.	15.	8.	14.	15.	13.	9.	9.
1310:	7.	7.	12.	14.	10.	15.	15.	10.	9.
1319:	10.	7.	14.	18.	9.	13.	12.	10.	10.

% ARSENIC 657.4 ± 0.0 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	137.	604.	0.0016	0.0001	4.9
%-ANTIMONY	564.1	104.	3362.	0.0191	0.0003	1.8
%-ARSENIC	657.4	62.	4. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043Q3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9917.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2326:18 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	18.	20.	18.	17.	19.	18.	20.	17.	22.
1018:	37.	45.	53.	83.	99.	110.	121.	133.	103.
1027:	85.	67.	44.	31.	17.	18.	13.	11.	17.

% COPPER 511.100 KEV 0.0017

1117:	22.	20.	21.	15.	21.	20.	29.	39.	71.
1126:	116.	236.	398.	624.	728.	687.	494.	262.	144.
1135:	55.	24.	15.	11.	8.	11.	14.	13.	13.

% ANTIMONY 564.05 KEV 0.0188

1301:	9.	8.	12.	13.	18.	5.	10.	5.	10.
1310:	15.	15.	10.	13.	14.	13.	11.	13.	12.
1319:	9.	10.	11.	10.	12.	14.	5.	9.	15.

% ARSENIC 657.40 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	108.	626.	0.0017	0.0001	4.6
%-ANTIMONY	564.1	99.	3330.	0.0188	0.0003	1.8
%-ARSENIC	657.4	53.	12.	< 9.7842E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043R1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8735.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2336:33 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	12.	9.	13.	12.	6.	19.	12.	13.	23.
1018:	26.	22.	45.	48.	83.	99.	99.	110.	83.
1027:	65.	35.	25.	20.	20.	10.	14.	5.	8.

% COPPER 511.0 KEV U + U D L S

1117:	11.	11.	9.	14.	14.	10.	20.	30.	43.
1126:	97.	181.	312.	476.	610.	522.	408.	230.	75.
1135:	42.	14.	6.	2.	8.	6.	10.	4.	7.

% ANTIMONY 564.0 KEV U + U D L S

1301:	6.	7.	8.	9.	6.	4.	2.	6.	7.
1310:	5.	10.	8.	6.	6.	6.	5.	2.	7.
1319:	10.	6.	6.	4.	3.	6.	3.	6.	7.

% ARSENIC 657.4 KEV <U + U D L S

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	75.	512.	0.0016	0.0001	5.0
%-ANTIMONY	564.1	58.	2681.	0.0172	0.0003	2.0
%-ARSENIC	657.4	28.	7.	< 8.3362E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043R2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8579.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2346:43 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	12.	17.	9.	8.	6.	13.	16.	16.	22.
1018:	26.	31.	38.	52.	71.	84.	96.	79.	62.
1027:	60.	43.	22.	18.	13.	22.	9.	10.	7.

% COPPER 511.00 KEV 0.0013

1117:	8.	13.	13.	18.	7.	14.	19.	25.	41.
1126:	90.	148.	296.	448.	573.	524.	340.	197.	92.
1135:	35.	13.	7.	7.	15.	15.	6.	8.	9.

% ANTIMONY 564.09 KEV 0.0150

1301:	4.	7.	16.	9.	11.	7.	8.	9.	9.
1310:	12.	10.	5.	9.	6.	7.	9.	11.	5.
1319:	9.	7.	4.	13.	7.	12.	9.	8.	6.

% ARSENIC 657.40 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	78.	426.	0.0013	0.0001	5.7
%-ANTIMONY	564.1	82.	2444.	0.0160	0.0003	2.1
%-ARSENIC	657.4	50.	-12. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043R3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8851.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 19JUN80 2356:54 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	10.	10.	10.	11.	20.	14.	8.	13.	9.
1018:	21.	27.	55.	60.	92.	90.	97.	81.	71.
1027:	70.	33.	32.	16.	18.	12.	14.	15.	9.

% COPPER 511.000 KEV 0.0015

1117:	11.	19.	11.	17.	10.	18.	13.	20.	62.
1126:	80.	178.	306.	502.	561.	550.	413.	220.	89.
1135:	40.	15.	8.	7.	10.	9.	4.	9.	3.

% ANTIMONY 564.09 KEV 0.0169

1301:	7.	8.	7.	7.	11.	6.	3.	5.	5.
1310:	5.	9.	9.	6.	5.	15.	6.	3.	8.
1319:	8.	6.	6.	8.	7.	8.	10.	8.	11.

% ARSENIC 657.40 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	86.	475.	0.0015	0.0001	5.4
%-ANTIMONY	564.1	64.	2666.	0.0169	0.0003	2.0
%-ARSENIC	657.4	40.	-6.	< 9.7606E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: R1043S1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11651.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 7:04 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	54.	52.	43.	44.	50.	59.	51.	73.	72.
1018:	86.	127.	188.	246.	364.	427.	445.	412.	345.
1027:	281.	180.	113.	78.	64.	55.	59.	48.	35.

% COPPER 511.1 + 0.0 KEV U + 0.0052

1117:	78.	88.	136.	173.	168.	162.	159.	209.	331.
1126:	711.	1516.	2765.	4099.	4910.	4682.	3345.	1885.	718.
1135:	272.	76.	22.	12.	13.	13.	16.	8.	18.

% ANTIMONY 564.1 + 0.9 KEV U + 0.1110

1301:	12.	10.	12.	6.	6.	7.	8.	16.	11.
1310:	16.	14.	13.	14.	17.	18.	22.	20.	22.
1319:	14.	11.	10.	9.	14.	9.	12.	10.	8.

% ARSENIC 657.4 + 0 KEV U + 0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	314.	2206.	0.0052	0.0001	2.4
%-ANTIMONY	564.1	235.	22968.	0.1110	0.0008	0.7
%-ARSENIC	657.4	48.	52.	0.0012	0.0003	23.5

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043S2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10623.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 17:19 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: +2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	56.	51.	37.	44.	50.	53.	41.	74.	75.
1018:	91.	139.	195.	224.	336.	397.	412.	406.	369.
1027:	246.	146.	126.	75.	56.	61.	50.	50.	46.

% COPPER 511.1 + 10 KEV 0.0055

1117:	84.	114.	135.	166.	172.	154.	146.	170.	345.
1126:	738.	1372.	2641.	3851.	4573.	4397.	3226.	1705.	733.
1135:	249.	71.	27.	23.	16.	8.	15.	18.	14.

% ANTIMONY 564.1 + 0.5 KEV 0.1144

1301:	23.	18.	17.	12.	7.	16.	22.	20.	16.
1310:	7.	16.	16.	13.	21.	18.	16.	18.	20.
1319:	22.	15.	14.	10.	17.	10.	19.	13.	17.

% ARSENIC 657.4 + 0 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	291.	2099.	0.0055	0.0001	2.5
%-ANTIMONY	564.1	216.	21549.	0.1144	0.0008	0.7
%-ARSENIC	657.4	70.	4. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043S3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.1384.00 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 27:34 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	44.	46.	58.	52.	51.	53.	47.	54.	65.
1018:	86.	145.	224.	285.	324.	400.	440.	444.	356.
1027:	278.	190.	112.	88.	60.	55.	46.	39.	36.

% COPPER 511.0 KEV 0.0054

1117:	86.	114.	148.	186.	172.	146.	173.	232.	338.
1126:	738.	1513.	2803.	4374.	5080.	4871.	3424.	1810.	786.
1135:	301.	69.	28.	10.	14.	11.	14.	15.	13.

% ANTIMONY 564.0 KEV 0.1174

1301:	15.	8.	8.	14.	9.	17.	13.	11.	14.
1310:	19.	8.	20.	16.	15.	23.	16.	17.	21.
1319:	12.	9.	11.	10.	15.	15.	15.	7.	16.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	332.	2195.	0.0054	0.0001	2.4
%-ANTIMONY	564.1	226.	23649.	0.1174	0.0008	0.7
%-ARSENIC	657.4	59.	31.	< 9.2025E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043T1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10721.00 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 37:47 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	18.	9.	9.	9.	12.	21.	10.	19.	28.
1018:	24.	50.	49.	49.	94.	91.	106.	93.	86.
1027:	63.	57.	40.	24.	20.	20.	18.	15.	11.

% COPPER 511.0 KEV 0.0013

1117:	14.	19.	15.	13.	19.	28.	21.	29.	43.
1126:	74.	150.	310.	463.	511.	503.	385.	239.	89.
1135:	51.	26.	8.	13.	10.	10.	14.	10.	5.

% ANTIMONY 564.0 KEV 0.0131

1301:	14.	10.	7.	12.	13.	10.	6.	11.	12.
1310:	14.	13.	6.	7.	12.	15.	13.	13.	8.
1319:	9.	12.	13.	15.	7.	12.	6.	8.	8.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	98.	484.	0.0013	0.0001	5.4
%-ANTIMONY	564.1	83.	2478.	0.0131	0.0003	2.1
%-ARSENIC	657.4	50.	2.	< 9.0908E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043T2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9540.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 48:02 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	16.	18.	14.	20.	22.	29.	26.	23.	25.
1018:	26.	20.	48.	62.	63.	88.	92.	110.	89.
1027:	53.	49.	31.	31.	20.	12.	19.	14.	20.

% COPPER 511.1 ± 0.0 KEV 0.0013

1117:	15.	18.	19.	23.	31.	17.	10.	39.	46.
1126:	82.	155.	278.	418.	499.	471.	344.	187.	83.
1135:	44.	17.	10.	11.	13.	8.	9.	13.	18.

% ANTIMONY 564.09 KEV 0.0134

1301:	12.	13.	14.	15.	9.	11.	17.	10.	10.
1310:	12.	9.	11.	11.	13.	13.	14.	14.	15.
1319:	7.	13.	14.	6.	11.	7.	11.	6.	11.

% ARSENIC 657.40 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	110.	447.	0.0013	0.0001	5.8
%-ANTIMONY	564.1	92.	2260.	0.0134	0.0003	2.2
%-ARSENIC	657.4	52.	18. <	0.0010	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043T3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.1001.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 58:16 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	22.	23.	19.	14.	17.	14.	15.	15.	20.
1018:	30.	28.	42.	59.	83.	107.	91.	108.	85.
1027:	68.	56.	31.	28.	26.	20.	17.	18.	9.

% COPPER 511.0 KEV 0.0013

1117:	16.	19.	17.	14.	18.	11.	20.	24.	35.
1126:	104.	156.	302.	467.	588.	537.	375.	251.	80.
1135:	38.	15.	19.	12.	6.	8.	10.	10.	3.

% ANTIMONY 564.0 KEV 0.0134

1301:	5.	5.	11.	11.	8.	8.	11.	14.	6.
1310:	11.	3.	7.	15.	11.	7.	10.	4.	10.
1319:	7.	10.	6.	9.	12.	8.	9.	14.	3.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	90.	511.	0.0013	0.0001	5.1
%-ANTIMONY	564.1	84.	2592.	0.0134	0.0003	2.0
%-ARSENIC	657.4	48.	2.	< 8.7304E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043U1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9057.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 108:27 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	12.	18.	14.	19.	18.	14.	17.	17.	20.
1018:	32.	30.	46.	64.	99.	95.	99.	92.	81.
1027:	64.	31.	17.	28.	19.	16.	16.	13.	20.

% COPPER 511.000 KEV 0.0016

1117:	13.	17.	18.	19.	20.	17.	19.	21.	37.
1126:	99.	176.	327.	455.	606.	543.	420.	230.	103.
1135:	25.	17.	13.	12.	15.	13.	9.	12.	10.

% ANTIMONY 564.000 KEV 0.0168

1301:	8.	3.	8.	14.	9.	9.	8.	11.	10.
1310:	11.	9.	10.	7.	11.	3.	12.	12.	12.
1319:	12.	12.	6.	4.	8.	8.	8.	9.	10.

% ARSENIC 657.400 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	92.	502.	0.0016	0.0001	5.2
%-ANTIMONY	564.1	87.	2670.	0.0168	0.0003	2.0
%-ARSENIC	657.4	40.	10.	< 9.8431E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043U2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9088.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 118:41 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	11.	9.	10.	14.	9.	11.	9.	16.	23.
1018:	25.	25.	36.	58.	72.	84.	86.	98.	84.
1027:	58.	45.	29.	14.	12.	16.	15.	12.	7.

% COPPER 511.0 ± 0.0 KEV 0.0014

1117:	14.	21.	8.	17.	16.	15.	21.	38.	45.
1126:	89.	146.	339.	478.	569.	577.	449.	233.	91.
1135:	53.	15.	8.	8.	4.	6.	8.	8.	10.

% ANTIMONY 564.0 ± 0.0 KEV 0.0171

1301:	6.	16.	12.	8.	10.	7.	6.	6.	8.
1310:	3.	10.	10.	5.	6.	7.	7.	10.	6.
1319:	10.	11.	10.	7.	3.	7.	5.	5.	2.

% ARSENIC 657.4 ± 0.0 KEV < 9.8537E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	90.	450.	0.0014	0.0001	5.6
%-ANTIMONY	564.1	66.	2725.	0.0171	0.0003	2.0
%-ARSENIC	657.4	40.	-6.	< 9.8537E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043U3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8204.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 128:52 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	12.	12.	17.	16.	13.	19.	23.	16.	30.
1018:	21.	30.	53.	69.	101.	115.	107.	119.	94.
1027:	87.	44.	33.	25.	18.	16.	18.	16.	12.

% COPPER 511.0 KEV 0.0021

1117:	14.	9.	19.	14.	19.	21.	18.	28.	66.
1126:	70.	161.	302.	445.	512.	459.	357.	198.	102.
1135:	33.	15.	10.	5.	8.	7.	4.	2.	9.

% ANTIMONY 564.0 KEV 0.0164

1301:	6.	6.	14.	1.	8.	5.	6.	3.	10.
1310:	8.	7.	8.	7.	4.	2.	12.	9.	8.
1319:	12.	5.	9.	12.	2.	5.	11.	5.	6.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	94.	598.	0.0021	0.0001	4.7
%-ANTIMONY	564.1	79.	2355.	0.0164	0.0003	2.1
%-ARSENIC	657.4	35.	0. <	0.0010	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043V1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9538.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 139:03 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	12.	13.	13.	16.	8.	16.	13.	19.	22.
1018:	27.	39.	43.	71.	94.	105.	122.	115.	95.
1027:	69.	57.	32.	27.	21.	15.	13.	11.	17.

% COPPER 511.00 KEV 0.0018

1117:	25.	13.	12.	21.	23.	20.	25.	42.	72.
1126:	107.	243.	456.	756.	857.	801.	589.	347.	140.
1135:	54.	19.	8.	7.	11.	5.	5.	6.	6.

% ANTIMONY 564.05 KEV 0.0238

1301:	5.	11.	5.	7.	6.	8.	4.	9.	4.
1310:	8.	9.	1.	9.	6.	9.	8.	8.	11.
1319:	9.	4.	2.	9.	3.	8.	5.	4.	8.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	97.	574.	0.0018	0.0001	4.8
%-ANTIMONY	564.1	84.	3965.	0.0238	0.0004	1.6
%-ARSENIC	657.4	33.	0.	< 8.6777E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043V2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9176.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 149:13 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	22.	24.	21.	26.	21.	20.	20.	19.	27.
1018:	32.	41.	53.	80.	102.	124.	131.	132.	109.
1027:	97.	54.	50.	26.	27.	14.	15.	17.	13.

% COPPER 511.0 KEV 0.0021

1117:	24.	24.	24.	31.	29.	35.	31.	55.	82.
1126:	175.	349.	676.	1039.	1305.	1236.	907.	548.	234.
1135:	84.	28.	7.	11.	7.	13.	10.	11.	4.

% ANTIMONY 564.0 KEV 0.0373

1301:	8.	4.	11.	7.	3.	12.	13.	11.	11.
1310:	9.	14.	7.	8.	5.	9.	4.	15.	13.
1319:	14.	10.	12.	5.	8.	5.	7.	5.	6.

% ARSENIC 657.4 KEV <0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	120.	655.	0.0021	0.0001	4.6
%-ANTIMONY	564.1	87.	5973.	0.0373	0.0005	1.3
%-ARSENIC	657.4	34.	10.	< 9.1225E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043V3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9369.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 159:24 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	14.	7.	14.	11.	10.	15.	11.	18.	16.
1018:	9.	31.	41.	68.	75.	121.	125.	102.	83.
1027:	70.	50.	33.	25.	11.	10.	13.	13.	16.

% COPPER 511.0 KEV 0.0018

1117:	15.	8.	16.	16.	10.	21.	24.	32.	52.
1126:	93.	162.	330.	478.	580.	573.	415.	243.	105.
1135:	37.	21.	12.	5.	9.	7.	14.	12.	10.

% ANTIMONY 564.0 KEV 0.0166

1301:	14.	7.	11.	11.	6.	7.	6.	2.	10.
1310:	5.	11.	7.	6.	7.	9.	9.	7.	7.
1319:	2.	9.	3.	11.	7.	12.	12.	9.	4.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	76.	568.	0.0018	0.0001	4.7
%-ANTIMONY	564.1	68.	2713.	0.0166	0.0003	2.0
%-ARSENIC	657.4	47.	-11. <	0.0010	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043W1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9342.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 209:35 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	20.	22.	16.	9.	10.	5.	12.	16.	12.
1018:	27.	36.	36.	48.	76.	79.	72.	74.	69.
1027:	59.	32.	17.	17.	18.	5.	16.	13.	9.

% COPPER 511.0 KEV 0.0013

1117:	15.	11.	13.	10.	11.	20.	22.	23.	38.
1126:	75.	160.	271.	407.	510.	479.	367.	217.	83.
1135:	28.	12.	7.	9.	8.	10.	9.	8.	8.

% ANTIMONY 564.0 KEV 0.0144

1301:	9.	9.	9.	7.	5.	4.	5.	6.	7.
1310:	2.	8.	8.	7.	8.	7.	4.	7.	3.
1319:	7.	6.	7.	10.	4.	5.	14.	10.	6.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	80.	397.	0.0013	0.0001	5.9
%-ANTIMONY	564.1	65.	2346.	0.0144	0.0003	2.1
%-ARSENIC	657.4	39.	-6.	< 9.6326E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043WZ
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9870.000 UNITS: UG
 SAMPLE GEOMETRY: RY4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 219:45 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	16.	14.	17.	16.	15.	18.	21.	10.	19.
1018:	22.	30.	45.	58.	82.	81.	117.	110.	82.
1027:	56.	40.	25.	18.	20.	12.	14.	18.	19.

% COPPER 511.0 - 100 KEV 0.0015

1117:	8.	21.	25.	15.	18.	22.	25.	33.	47.
1126:	104.	182.	333.	464.	617.	572.	423.	242.	114.
1135:	44.	16.	11.	10.	10.	11.	11.	14.	18.

% ANTIMONY 564.0 - 100 KEV 0.0151

1301:	12.	17.	8.	9.	11.	7.	9.	8.	10.
1310:	6.	2.	7.	14.	14.	9.	10.	10.	8.
1319:	5.	11.	10.	11.	11.	11.	5.	11.	8.

% ARSENIC 657.4 - 10 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	95.	491.	0.0015	0.0001	5.3
%-ANTIMONY	564.1	74.	2759.	0.0161	0.0003	2.0
%-ARSENIC	657.4	51.	6. <	0.0010	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043W3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9707.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 230:00 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	14.	9.	11.	11.	15.	13.	18.	21.	20.
1018:	21.	25.	40.	52.	74.	92.	94.	80.	83.
1027:	60.	40.	46.	22.	16.	12.	12.	10.	7.

% COPPER 511.0 KEV 0.0014

1117:	15.	10.	7.	16.	15.	13.	23.	35.	36.
1126:	101.	180.	330.	520.	564.	550.	434.	210.	97.
1135:	37.	12.	12.	6.	11.	7.	6.	8.	6.

% ANTIMONY 564.0 KEV 0.0162

1301:	8.	6.	8.	5.	8.	5.	3.	7.	6.
1310:	10.	8.	4.	7.	3.	6.	9.	10.	6.
1319:	8.	1.	9.	6.	9.	7.	5.	4.	6.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	83.	452.	0.0014	0.0001	5.5
%-ANTIMONY	564.1	62.	2726.	0.0162	0.0003	2.0
%-ARSENIC	657.4	32.	3.	< 8.5376E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 12:25:19 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043X1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7776.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 240:11 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	19.	21.	22.	24.	18.	19.	28.	19.	28.
1018:	38.	35.	58.	89.	107.	117.	143.	135.	104.
1027:	76.	48.	53.	38.	39.	16.	27.	14.	20.

% COPPER 511.000 KEV 0.0025

1117:	27.	29.	33.	29.	39.	32.	43.	59.	112.
1126:	218.	435.	817.	1223.	1409.	1372.	941.	526.	222.
1135:	74.	33.	22.	11.	17.	20.	10.	7.	4.

% ANTIMONY 564.09 KEV 0.0492

1301:	9.	8.	7.	9.	9.	13.	5.	8.	16.
1310:	15.	5.	7.	8.	17.	7.	13.	11.	8.
1319:	10.	9.	14.	8.	9.	12.	17.	15.	12.

% ARSENIC 657.40 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	142.	629.	0.0025	0.0001	4.8
%-ANTIMONY	564.1	105.	6618.	0.0492	0.0006	1.3
%-ARSENIC	657.4	54.	2. <	0.0014	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043X2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9008.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 250:25 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	26.	25.	21.	25.	20.	26.	14.	24.	17.
1018:	40.	49.	67.	99.	106.	145.	146.	129.	123.
1027:	95.	71.	42.	31.	17.	28.	23.	24.	21.

% COPPER 511.1 + 0.0 KEV 0.0025

1117:	31.	29.	25.	35.	25.	43.	44.	54.	116.
1126:	264.	484.	766.	1280.	1574.	1462.	1044.	608.	265.
1135:	83.	21.	23.	10.	16.	14.	11.	8.	15.

% ANTIMONY 564.1 + 0.9 KEV 0.0456

1301:	8.	10.	12.	12.	13.	7.	12.	8.	10.
1310:	15.	7.	13.	5.	4.	10.	16.	9.	11.
1319:	16.	9.	12.	13.	18.	10.	16.	9.	11.

% ARSENIC 657.4 + 0.0 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	145.	698.	0.0025	0.0001	4.5
%-ANTIMONY	564.1	128.	7090.	0.0456	0.0006	1.2
%-ARSENIC	657.4	60.	-12. <	0.0012	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043X3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9088.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 300:40 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY: N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	16.	20.	23.	19.	19.	24.	27.	32.	34.
1018:	42.	55.	89.	125.	142.	189.	171.	171.	167.
1027:	109.	78.	39.	36.	19.	26.	18.	21.	19.

% COPPER 511.1 + 100 KEV 0.0033

1117:	17.	25.	32.	36.	25.	52.	44.	57.	110.
1126:	264.	539.	940.	1344.	1650.	1428.	1044.	527.	241.
1135:	80.	33.	7.	7.	9.	10.	8.	17.	10.

% ANTIMONY 564.1 + 100 KEV 0.0471

1301:	5.	9.	8.	9.	3.	11.	7.	6.	6.
1310:	6.	11.	10.	7.	10.	7.	11.	12.	9.
1319:	11.	4.	12.	13.	10.	8.	6.	5.	7.

% ARSENIC 657.4 + 100 KEV < 0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	125.	949.	0.0033	0.0001	3.7
%-ANTIMONY	564.1	97.	7375.	0.0471	0.0006	1.2
%-ARSENIC	657.4	41.	3. <	0.0010	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043Y1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9342.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 310:53 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	10.	10.	11.	14.	10.	17.	21.	11.	12.
1018:	25.	24.	43.	72.	91.	92.	127.	96.	79.
1027:	63.	42.	27.	22.	12.	17.	9.	8.	13.

% COPPER 511.100 KEV 0.0015

1117:	16.	12.	16.	17.	13.	11.	23.	28.	65.
1126:	119.	202.	391.	591.	601.	584.	416.	204.	90.
1135:	33.	10.	10.	4.	6.	10.	7.	7.	11.

% ANTIMONY 564.09 KEV 0.0182

1301:	9.	9.	6.	9.	8.	3.	7.	13.	9.
1310:	13.	6.	6.	9.	6.	8.	5.	7.	8.
1319:	6.	9.	12.	2.	5.	13.	5.	7.	3.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	75.	545.	0.0019	0.0001	4.8
%-ANTIMONY	564.1	60.	2929.	0.0182	0.0003	1.9
%-ARSENIC	657.4	34.	2.	< 9.2876E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043Y2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7546.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 321:04 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	15.	8.	9.	10.	9.	9.	8.	15.	22.
1018:	18.	25.	36.	48.	76.	62.	78.	71.	54.
1027:	66.	28.	29.	22.	9.	10.	10.	17.	12.

% COPPER 511.0 KEV 0.0016

1117:	6.	17.	24.	14.	9.	13.	25.	39.	52.
1126:	91.	196.	319.	496.	502.	506.	350.	190.	64.
1135:	40.	13.	9.	5.	9.	8.	7.	7.	8.

% ANTIMONY 564.1 KEV 0.0193

1301:	7.	4.	5.	11.	11.	1.	4.	4.	5.
1310:	7.	3.	5.	4.	7.	3.	6.	6.	5.
1319:	5.	7.	9.	7.	8.	6.	10.	7.	7.

% ARSENIC 657.4 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	77.	378.	0.0016	0.0001	6.1
%-ANTIMONY	564.1	56.	2503.	0.0193	0.0004	2.0
%-ARSENIC	657.4	35.	-8. <	0.0012	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043Z1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9818.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 341:25 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	7.	8.	11.	9.	8.	6.	10.	19.	7.
1018:	31.	33.	37.	68.	70.	88.	108.	114.	75.
1027:	58.	38.	23.	23.	11.	9.	12.	9.	14.

% COPPER 511.0 KEV 0.0017

1117:	15.	11.	9.	17.	23.	12.	19.	39.	51.
1126:	101.	221.	393.	532.	611.	571.	437.	190.	77.
1135:	38.	14.	10.	9.	3.	5.	2.	6.	6.

% ANTIMONY 564.0 KEV 0.0172

1301:	7.	6.	8.	10.	2.	5.	4.	7.	4.
1310:	16.	8.	5.	5.	10.	10.	4.	9.	6.
1319:	6.	5.	4.	6.	10.	4.	7.	3.	8.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	74.	507.	0.0017	0.0001	5.1
%-ANTIMONY	564.1	68.	2887.	0.0172	0.0003	1.9
%-ARSENIC	657.4	31.	7.	< 8.5837E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043ZZ
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9502.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 351:36 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	8.	8.	13.	10.	16.	12.	17.	17.	17.
1018:	23.	34.	25.	62.	79.	112.	98.	85.	57.
1027:	49.	34.	23.	21.	14.	12.	12.	12.	9.

% COPPER 511.0 KEV 0.0016

1117:	10.	9.	14.	25.	11.	21.	22.	36.	54.
1126:	116.	204.	413.	561.	603.	513.	380.	198.	97.
1135:	33.	23.	8.	5.	4.	5.	6.	6.	8.

% ANTIMONY 564.0 KEV 0.0173

1301:	9.	6.	8.	4.	7.	7.	6.	8.	7.
1310:	4.	7.	3.	6.	7.	9.	1.	7.	6.
1319:	6.	3.	7.	4.	7.	5.	4.	7.	9.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	82.	460.	0.0016	0.0001	5.4
%-ANTIMONY	564.1	67.	2806.	0.0173	0.0003	1.9
%-ARSENIC	657.4	30.	-2.	< 8.7758E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043Z3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9576.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 401:47 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	3.	7.	5.	10.	12.	9.	16.	14.	21.
1018:	21.	35.	53.	69.	90.	81.	104.	77.	88.
1027:	49.	33.	28.	21.	24.	12.	9.	14.	10.

% COPPER 511.000 KEV 0.0017

1117:	12.	19.	12.	21.	10.	20.	11.	29.	53.
1126:	91.	241.	353.	573.	670.	585.	355.	226.	110.
1135:	31.	7.	6.	4.	3.	5.	2.	5.	10.

% ANTIMONY 564.000 KEV 0.0180

1301:	5.	6.	8.	6.	7.	8.	4.	6.	5.
1310:	10.	4.	6.	13.	8.	8.	6.	10.	3.
1319:	5.	7.	8.	3.	6.	10.	6.	7.	7.

% ARSENIC 657.400 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	76.	486.	0.0017	0.0001	5.2
%-ANTIMONY	564.1	67.	2937.	0.0180	0.0003	1.9
%-ARSENIC	657.4	34.	12.	< 9.2655E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 20 JUN 1980 12:33:00 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX XXX

00610007 RF BY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043AA1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9809.000 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 411:57 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	11.	12.	11.	10.	10.	15.	9.	10.	18.
1018:	22.	28.	32.	47.	58.	98.	97.	87.	77.
1027:	51.	36.	17.	19.	21.	15.	11.	14.	11.

% COPPER 511.0 KEV 0.0015

1117:	9.	13.	21.	19.	16.	19.	23.	40.	59.
1126:	129.	220.	446.	595.	684.	613.	423.	213.	106.
1135:	42.	14.	6.	6.	6.	10.	3.	7.	10.

% ANTIMONY 564.0 KEV 0.0187

1301:	6.	5.	6.	2.	4.	9.	4.	5.	8.
1310:	4.	5.	5.	5.	10.	6.	2.	4.	5.
1319:	5.	6.	6.	6.	4.	9.	6.	8.	5.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	77.	438.	0.0015	0.0001	5.6
%-ANTIMONY	564.1	66.	3128.	0.0187	0.0003	1.8
%-ARSENIC	657.4	30.	-0.	< 8.5774E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043AA3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8435.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 432:19 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	14.	10.	12.	10.	17.	14.	8.	9.	13.
1018:	22.	27.	32.	55.	78.	71.	88.	62.	54.
1027:	37.	29.	22.	13.	21.	10.	14.	12.	5.

% COPPER 511.0 KEV 0.0015

1117:	8.	9.	16.	16.	14.	13.	25.	31.	61.
1126:	74.	174.	313.	445.	531.	475.	332.	164.	66.
1135:	34.	6.	5.	6.	3.	6.	3.	6.	4.

% ANTIMONY 564.0 KEV 0.0167

1301:	7.	10.	6.	5.	9.	8.	6.	5.	7.
1310:	3.	7.	6.	9.	7.	3.	7.	7.	5.
1319:	3.	3.	5.	5.	9.	6.	5.	4.	7.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	76.	369.	0.0015	0.0001	6.2
%-ANTIMONY	564.1	49.	2385.	0.0167	0.0003	2.1
%-ARSENIC	657.4	34.	-2. <	0.0011	NOT DETECTABLE	

0061000/ RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043AB1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7367.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 442:29 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBKATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	28.	18.	17.	24.	25.	21.	34.	27.	38.
1018:	53.	61.	81.	129.	149.	185.	198.	170.	127.
1027:	123.	80.	61.	40.	20.	21.	23.	20.	18.

% COPPER 511.0 KEV 0.0044

1117:	56.	71.	73.	76.	74.	67.	69.	109.	181.
1126:	386.	759.	1286.	1840.	2108.	1842.	1295.	664.	289.
1135:	96.	31.	7.	13.	7.	13.	8.	20.	10.

% ANTIMONY 564.0 KEV 0.0775

1301:	6.	8.	11.	11.	12.	8.	13.	7.	7.
1310:	6.	14.	8.	14.	12.	17.	10.	11.	15.
1319:	18.	8.	6.	5.	12.	9.	10.	3.	7.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	148.	933.	0.0044	0.0002	3.8
%-ANTIMONY	564.1	141.	9653.	0.0775	0.0008	1.0
%-ARSENIC	657.4	45.	10. <	0.0014	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043AB2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8932.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 452:44 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	25.	27.	27.	28.	38.	30.	28.	34.	35.
1018:	33.	60.	95.	133.	173.	185.	183.	209.	139.
1027:	109.	85.	69.	51.	38.	24.	27.	26.	29.

% COPPER 511.00 KEV 0.0037

1117:	45.	57.	79.	92.	80.	65.	80.	136.	220.
1126:	464.	855.	1519.	2217.	2345.	2176.	1475.	745.	333.
1135:	99.	24.	15.	11.	12.	14.	13.	12.	16.

% ANTIMONY 564.09 KEV 0.0741

1301:	9.	14.	15.	8.	5.	16.	15.	9.	12.
1310:	9.	13.	7.	10.	12.	10.	16.	14.	13.
1319:	12.	12.	16.	7.	14.	6.	12.	11.	12.

% ARSENIC 657.40 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	188.	943.	0.0037	0.0001	3.9
%-ANTIMONY	564.1	153.	11179.	0.0741	0.0007	1.0
%-ARSENIC	657.4	54.	11. <	0.0013	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043AB3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9033.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 502:59 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	22.	36.	31.	24.	44.	25.	29.	36.	41.
1018:	51.	66.	89.	155.	176.	191.	222.	240.	170.
1027:	119.	76.	61.	45.	36.	32.	28.	26.	28.

% COPPER 511.0 KEV 0.0042

1117:	49.	56.	85.	85.	97.	78.	81.	117.	215.
1126:	442.	951.	1569.	2304.	2506.	2231.	1530.	789.	341.
1135:	111.	40.	11.	12.	16.	14.	16.	14.	11.

% ANTIMONY 564.09 KEV 0.0770

1301:	17.	18.	11.	13.	10.	6.	9.	9.	16.
1310:	13.	13.	16.	10.	10.	15.	21.	15.	10.
1319:	11.	9.	17.	5.	13.	10.	13.	14.	7.

% ARSENIC 657.40 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	213.	1060.	0.0042	0.0002	3.6
%-ANTIMONY	564.1	160.	11720.	0.0770	0.0007	0.9
%-ARSENIC	657.4	57.	16. <	0.0013	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043AC1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8470.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 935:28 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 600. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	9.	11.	6.	4.	10.	12.	9.	16.	15.
1018:	24.	25.	26.	46.	52.	52.	65.	60.	53.
1027:	38.	23.	17.	9.	9.	10.	6.	5.	11.

% COPPER 511.1 ± 0.0 KEV 0.0017

1117:	17.	16.	17.	16.	8.	17.	16.	28.	41.
1126:	76.	170.	265.	388.	431.	408.	304.	138.	67.
1135:	23.	7.	12.	4.	6.	7.	4.	10.	5.

% ANTIMONY 564.1 ± 0.5 KEV 0.0152

1301:	4.	5.	7.	11.	2.	7.	3.	6.	4.
1310:	6.	11.	5.	5.	7.	4.	3.	1.	9.
1319:	10.	7.	5.	3.	3.	5.	7.	6.	3.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	51.	315.	0.0017	0.0001	6.5
%-ANTIMONY	564.1	36.	2068.	0.0152	0.0003	2.2
%-ARSENIC	657.4	28.	4. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043AC2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8637.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 945:41 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 600. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	15.	9.	8.	9.	15.	12.	11.	16.	10.
1018:	13.	14.	30.	51.	44.	65.	67.	63.	46.
1027:	49.	23.	14.	13.	11.	6.	13.	14.	9.

% COPPER 511.0 KEV U . 0017

1117:	15.	11.	13.	11.	12.	8.	12.	20.	42.
1126:	79.	174.	288.	430.	509.	426.	344.	174.	67.
1135:	28.	10.	1.	5.	5.	6.	7.	6.	2.

% ANTIMONY 564.0 KEV U . 0165

1301:	8.	6.	7.	8.	6.	6.	6.	7.	6.
1310:	2.	7.	7.	3.	4.	5.	4.	7.	6.
1319:	8.	9.	3.	4.	9.	8.	5.	6.	4.

% ARSENIC 657.4 KEV <U . 0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	70.	315.	0.0017	0.0001	6.8
%-ANTIMONY	564.1	53.	2292.	0.0165	0.0004	2.1
%-ARSENIC	657.4	33.	-10. <	0.0012	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043AC3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8236.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 955:51 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

1009:	6.	6.	8.	6.	12.	7.	10.	19.	12.
1018:	12.	23.	39.	22.	46.	60.	63.	53.	41.
1027:	37.	22.	16.	14.	10.	9.	11.	13.	4.

% COPPER 511.0 KEV 0.0014

1117:	9.	11.	4.	10.	12.	20.	10.	20.	38.
1126:	60.	147.	248.	409.	457.	428.	305.	146.	64.
1135:	25.	10.	4.	4.	10.	6.	4.	5.	6.

% ANTIMONY 564.0 KEV 0.0159

1301:	2.	10.	3.	9.	3.	8.	4.	4.	6.
1310:	5.	5.	1.	5.	3.	8.	5.	6.	6.
1319:	7.	4.	6.	5.	7.	11.	7.	8.	4.

% ARSENIC 657.4 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	69.	255.	0.0014	0.0001	7.8
%-ANTIMONY	564.1	45.	2095.	0.0159	0.0004	2.2
%-ARSENIC	657.4	36.	-17. <	0.0013	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043AD1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.0683.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MLN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1006:02 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	14.	13.	9.	12.	8.	6.	7.	12.	14.
1018:	9.	24.	27.	34.	37.	68.	55.	57.	46.
1027:	53.	25.	13.	8.	14.	6.	4.	12.	9.

% COPPER 511.0 KEV 0.0013

1117:	7.	5.	11.	8.	8.	14.	24.	21.	35.
1126:	89.	175.	277.	413.	543.	463.	305.	178.	60.
1135:	19.	7.	6.	7.	6.	4.	4.	7.	6.

% ANTIMONY 564.0 KEV 0.0135

1301:	4.	4.	3.	3.	5.	9.	4.	5.	2.
1310:	9.	2.	6.	4.	1.	4.	3.	7.	3.
1319:	3.	2.	4.	6.	6.	3.	3.	2.	3.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	55.	295.	0.0013	0.0001	6.8
%-ANTIMONY	564.1	42.	2312.	0.0135	0.0003	2.1
%-ARSENIC	657.4	22.	-3.	< 8.0671E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: U1043AD2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10092.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1016:11 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	7.	12.	7.	8.	12.	9.	2.	13.	11.
1018:	12.	20.	25.	34.	52.	55.	51.	50.	40.
1027:	42.	22.	15.	12.	13.	5.	7.	10.	10.

% COPPER 511.0 KEV 0.0013

1117:	9.	17.	6.	13.	16.	13.	21.	29.	31.
1126:	77.	155.	244.	382.	418.	438.	288.	178.	66.
1135:	17.	6.	3.	5.	0.	4.	5.	4.	6.

% ANTIMONY 564.0 KEV 0.0128

1301:	2.	8.	1.	6.	3.	2.	5.	2.	3.
1310:	3.	3.	4.	3.	7.	5.	3.	5.	7.
1319:	1.	6.	5.	5.	5.	5.	7.	4.	5.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	35.	269.	0.0013	0.0001	7.2
%-ANTIMONY	564.1	43.	2060.	0.0128	0.0003	2.3
%-ARSENIC	657.4	23.	-3.	< 8.7491E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043AD3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10844.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1026:22 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 600. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	5.	5.	11.	9.	7.	6.	11.	9.	16.
1018:	16.	18.	22.	45.	47.	47.	56.	45.	52.
1027:	28.	25.	18.	9.	9.	10.	6.	9.	3.

% COPPER 511.0 100 KEV 0.0012

1117:	10.	11.	10.	9.	20.	18.	19.	22.	33.
1126:	86.	171.	311.	420.	477.	455.	300.	167.	75.
1135:	35.	5.	2.	5.	2.	6.	2.	3.	8.

% ANTIMONY 564.0 100 KEV 0.0131

1301:	5.	3.	5.	6.	6.	6.	4.	5.	6.
1310:	6.	8.	3.	3.	2.	5.	9.	5.	4.
1319:	5.	5.	3.	2.	2.	4.	3.	6.	5.

% ARSENIC 657.4 100 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	57.	263.	0.0012	0.0001	7.4
%-ANTIMONY	564.1	40.	2261.	0.0131	0.0003	2.1
%-ARSENIC	657.4	22.	3.	< 7.9371E-04	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1049AE1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10886.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1036:32 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	41.	34.	36.	30.	37.	36.	29.	27.	36.
1018:	57.	53.	86.	112.	142.	194.	175.	159.	144.
1027:	125.	87.	52.	42.	39.	24.	32.	31.	30.

% COPPER 511.0 KEV 0.0037

1117:	53.	55.	77.	103.	105.	112.	112.	137.	246.
1126:	497.	1031.	1806.	2653.	3082.	2734.	1874.	1067.	431.
1135:	153.	29.	25.	12.	16.	7.	8.	12.	8.

% ANTIMONY 564.0 KEV 0.0815

1301:	6.	8.	8.	14.	10.	6.	6.	11.	13.
1310:	9.	7.	9.	9.	14.	8.	9.	15.	8.
1319:	6.	7.	7.	9.	9.	7.	8.	8.	11.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	214.	837.	0.0037	0.0002	4.3
%-ANTIMONY	564.1	153.	14094.	0.0815	0.0007	0.9
%-ARSENIC	657.4	44.	12. <	0.0011	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043AE2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10875.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 1046:47 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	24.	37.	31.	37.	26.	35.	34.	41.	45.
1018:	42.	80.	82.	115.	150.	174.	183.	164.	151.
1027:	118.	104.	55.	48.	43.	31.	25.	35.	32.

% COPPER 511.0 KEV 0.0038

1117:	70.	78.	93.	122.	97.	97.	103.	139.	224.
1126:	512.	1088.	1927.	2838.	3139.	2857.	2033.	1077.	447.
1135:	141.	36.	11.	13.	10.	9.	12.	10.	7.

% ANTIMONY 564.1 KEV 0.0858

1301:	11.	12.	7.	6.	4.	9.	11.	6.	12.
1310:	4.	7.	6.	11.	6.	17.	14.	12.	13.
1319:	8.	8.	15.	6.	7.	9.	11.	7.	5.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	207.	848.	0.0038	0.0002	4.2
%-ANTIMONY	564.1	159.	14800.	0.0858	0.0007	0.8
%-ARSENIC	657.4	39.	23. <	0.0010	NOT DETECTABLE	

00610007 RF QY GREENKILL LEAD

SAMPLE DATE: 19JUN80 1033:00
 SAMPLE IDENTIFICATION: Q1043AE3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10326.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1057:01 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 19JUN80 1039:59 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	22.	29.	33.	24.	28.	20.	41.	32.	36.
1018:	46.	60.	76.	129.	145.	178.	186.	192.	146.
1027:	116.	63.	46.	44.	40.	36.	27.	27.	27.

% COPPER 511.0 + 0.0 KEV 0.0043

1117:	45.	61.	86.	81.	71.	99.	105.	121.	234.
1126:	496.	970.	1748.	2562.	2932.	2668.	1861.	1012.	408.
1135:	105.	43.	18.	10.	15.	11.	6.	9.	7.

% ANTIMONY 564.0 + 0.9 KEV 0.0832

1301:	9.	8.	13.	10.	8.	3.	3.	5.	13.
1310:	7.	6.	8.	8.	12.	14.	16.	17.	10.
1319:	8.	10.	6.	5.	8.	3.	9.	4.	7.

% ARSENIC 657.4 + 0.2 KEV 0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	190.	902.	0.0043	0.0002	4.0
%-ANTIMONY	564.1	154.	13599.	0.0832	0.0007	0.9
%-ARSENIC	657.4	36.	34.	0.0012	0.0004	30.5

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*Greenkill
Series III
L.P. 45*

00610007 QY RF GREENKILL LEAD

SAMPLE	SAM.WT.	%-COFFER	%-ANTIMONY	%-ARSENIC
S626A	14581.000	0.07878	0.73136	0.00299
S626B	12474.000	0.07823	0.72084	0.00266
S626C	12505.000	0.07688	0.70638	0.00214
		0.07796 AVG	0.71952 AVG	0.00282 AVG
		0.000979 SD	0.012542 SD	0.000723 SD
		1.255719 %RSD	1.743162 %RSD	25.594252 %RSD
S604A	12513.000	0.00704	1.86886	0.09797
S604B	12051.000	0.00756	1.98170	0.10592
S604C	13553.000	0.00750	1.86269	0.09699
		0.00737 AVG	1.90442 AVG	0.10029 AVG
		0.000288 SD	0.067000 SD	0.004899 SD
		3.907757 %RSD	3.518115 %RSD	4.884969 %RSD
Q1044A1	9818.000	0.00129	0.01495	0.00095
Q1044A2	10018.000	0.00138	0.01396	0.00106
Q1044A3	9329.000	0.00128	0.01394	0.00102
		0.00132 AVG	0.01429 AVG	0.00000 AVG
		0.000053 SD	0.000579 SD	0.000000 SD
		4.020459 %RSD	4.053443 %RSD	0.000000 %RSD
Q1044B1	11347.000	0.00562	0.12011	0.00091
Q1044B2	12100.000	0.00546	0.12090	0.00100
Q1044B3	11561.000	0.00567	0.12082	0.00105
		0.00558 AVG	0.12061 AVG	0.00102 AVG
		0.000111 SD	0.000435 SD	0.000122 SD
		1.994081 %RSD	0.360564 %RSD	11.918829 %RSD
Q1044C1	10225.000	0.00459	0.09035	0.00098
Q1044C2	10117.000	0.00440	0.09077	0.00114
Q1044C3	10584.000	0.00434	0.09352	0.00093
		0.00445 AVG	0.09155 AVG	0.00000 AVG
		0.000131 SD	0.001724 SD	0.000000 SD
		2.944775 %RSD	1.883607 %RSD	0.000000 %RSD
Q1044D1	11802.000	0.00441	0.09126	0.00112
Q1044D2	12380.000	0.00442	0.08906	0.00093
Q1044D3	12224.000	0.00434	0.09121	0.00094
		0.00439 AVG	0.09051 AVG	0.00112 AVG
		0.000040 SD	0.001255 SD	0.000000 SD
		0.922642 %RSD	1.386325 %RSD	0.000000 %RSD
Q1044E1	10270.000	0.00603	0.09527	0.00089
Q1044E2	11181.000	0.00586	0.09790	0.00091
Q1044E3	11122.000	0.00459	0.09530	0.00090
		0.00549 AVG	0.09615 AVG	0.00000 AVG

0.000784 SD	0.001509 SD	0.000000 SD
14.272406 %RSD	1.562652 %RSD	0.000000 %RSD

Q1044F1	9816.000	0.00155	0.01628	<	0.00082
Q1044F2	9742.000	0.00159	0.01637	<	0.00094
Q1044F3	9752.000	0.00167	0.01764	<	0.00097

0.00160 AVG	0.01676 AVG	0.00000 AVG
0.000063 SD	0.000765 SD	0.000000 SD
3.909531 %RSD	4.562349 %RSD	0.000000 %RSD

Q1044G1	10819.000	0.00373	0.07943	<	0.00097
Q1044G2	11140.000	0.00392	0.07844	<	0.00103
Q1044G3	10989.000	0.00385	0.07671	<	0.00090

0.00384 AVG	0.07819 AVG	0.00000 AVG
0.000095 SD	0.001375 SD	0.000000 SD
2.474693 %RSD	1.758412 %RSD	0.000000 %RSD

Q1044H1	10315.000	0.00126	0.01246	<	0.00089
Q1044H2	10416.000	0.00137	0.01239	<	0.00101
Q1044H3	10806.000	0.00127	0.01255	<	0.00249

0.00130 AVG	0.01247 AVG	0.00249 AVG
0.000058 SD	0.000082 SD	0.000000 SD
4.457911 %RSD	0.656438 %RSD	0.000000 %RSD

Q1044I1	10982.000	0.00135	0.01635	<	0.00079
Q1044I2	11330.000	0.00132	0.01766	<	0.00071
Q1044I3	11422.000	0.00161	0.01677	<	0.00075
Q1044J1	10608.000	0.00494	0.10593	<	0.00105
Q1044J2	10568.000	0.00484	0.10361	<	0.00098
Q1044J3	11043.000	0.00496	0.10466	<	0.00103
Q1044K1	9649.000	0.00269	0.05155	<	0.00094
Q1044K2	9865.000	0.00187	0.01978	<	0.00094
Q1044K3	8962.000	0.00189	0.02481	<	0.00104
Q1044L1	10568.000	0.00258	0.04601	<	0.00086
Q1044L2	10029.000	0.00257	0.04427	<	0.00096
Q1044L3	10385.000	0.00281	0.04583	<	0.00103
Q1044M1	9427.000	0.00134	0.01507	<	0.00086
Q1044M2	9076.000	0.00141	0.01608	<	0.00098
Q1044M3	9739.000	0.00285	0.01534	<	0.00092
Q1044N1	8989.000	0.00152	0.01560	<	0.00090
Q1044N2	8042.000	0.00151	0.01518	<	0.00108
Q1044N3	9230.000	0.00141	0.01540	<	0.00096
Q1044O1	9020.000	0.00180	0.01486	<	0.00084
Q1044O2	5272.000	0.00145	0.01565	<	0.00185
Q1044O3	8864.000	0.00119	0.01348	<	0.00092
Q1044P1	7454.000	0.00143	0.01394	<	0.00124
Q1044P2	7372.000	0.00164	0.01471	<	0.00145
Q1044P3	7108.000	0.00171	0.01332	<	0.00138
Q1044Q1	9059.000	0.00421	0.08847	<	0.00101
Q1044Q2	8408.000	0.00401	0.08875	<	0.00116
Q1044Q3	9211.000	0.00428	0.09013	<	0.00103
Q1044R1	8686.000	0.00530	0.11909	<	0.00114
Q1044R2	8528.000	0.00569	0.12139	<	0.00126
Q1044R3	9289.000	0.00577	0.12082	<	0.00136
Q1044S1	7586.000	0.00457	0.09332	<	0.00120
Q1044S2	10497.000	0.00468	0.09266	<	0.00153
Q1044S3	10460.000	0.00484	0.09766	<	0.00093
Q1044T1	10318.000	0.00187	0.01769	<	0.00104
Q1044T2	10241.000	0.00178	0.01880	<	0.00099

Q1044T3	9056.000	0.00177	0.01859	<	0.00108
Q1044U1	9702.000	0.00409	0.07617	<	0.00104
Q1044U2	9785.000	0.00370	0.07307	<	0.00100
Q1044U3	10569.000	0.00374	0.07547		0.00094
Q1044V1	10062.000	0.00506	0.10704		0.00106
Q1044V2	9590.000	0.00522	0.10841		0.00117
Q1044V3	10188.000	0.00507	0.11046	<	0.00104
Q1044W1	9471.000	0.00177	0.01699	<	0.00097
Q1044W2	9189.000	0.00163	0.01650	<	0.00097
Q1044W3	8467.000	0.00179	0.01722	<	0.00106
Q1044X1	8172.000	0.00173	0.01704	<	0.00115
Q1044X2	9057.000	0.00161	0.01789	<	0.00118
Q1044X3	8994.000	0.00170	0.01670	<	0.00099
Q1044Y1	8100.000	0.00128	0.01387	<	0.00098
Q1044Y2	9417.000	0.00109	0.01296	<	0.00094
Q1044Y3	9404.000	0.00125	0.01401	<	0.00089
Q1044Z1	9180.000	0.00520	0.10777	<	0.00124
Q1044Z2	8647.000	0.00540	0.11264	<	0.00136
Q1044Z3	8904.000	0.00555	0.11368	<	0.00128
Q1044AA1	10660.000	0.00437	0.09863	<	0.00104
Q1044AA2	10386.000	0.00515	0.10880		0.00131
Q1044AA3	10138.000	0.00500	0.10482	<	0.00116
Q1044AB1	9835.000	0.00619	0.06112	<	0.00109
Q1044AB2	10091.000	0.00625	0.06241	<	0.00118
Q1044AB3	9711.000	0.00632	0.06308	<	0.00121
Q1044AC1	8890.000	0.00477	0.04160	<	0.00099
Q1044AC2	9322.000	0.00452	0.04160	<	0.00096
Q1044AC3	9264.000	0.00470	0.04247	<	0.00109
Q1044AD1	7977.000	0.00133	0.01448	<	0.00110
Q1044AD2	8207.000	0.00141	0.01459	<	0.00116
Q1044AD3	9136.000	0.00146	0.01461	<	0.00103
Q1044AE1	7681.000	0.00147	0.01613	<	0.00119
Q1044AE2	6700.000	0.00184	0.01686	<	0.00131
Q1044AE3	7621.000	0.00152	0.01650	<	0.00134

(TI)TITLE: 00610007 QY RF GREENKILL LEAD
 (LN)LIBRARY:
 (SA)SAMPLE TIME: 20JUN80 1100:00
 (SE)STD ENERGY TOLERANCE: 2.00
 (UE)UNK ENERGY TOLERANCE: 2.00
 (TF)THERMAL FLUX: 0.0000E-01
 (EF)EPITHERMAL FLUX: 0.0000E-01
 (FF)FAST FLUX: 0.0000E-01
 (GU)UNITS: UG

	ELEMENT	ENERGY	HALF-LIFE	SEC
1	%-COPPER	511.00	1.2800E 01 H	4.6080E 04
2	%-ANTIMONY	564.09	2.7200E 00 D	2.3501E 05
3	%-ARSENIC	657.41	2.6300E 01 H	9.4680E 04

STANDARD SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	14581.00	FBI3 .A01	100.0	100000.0
2	S626B	12474.00	FBI3 .A02	100.0	100000.0
3	S626C	12505.00	FBI3 .A03	100.0	100000.0
4	S604A	12513.00	FBI3 .A04	100.0	100000.0
5	S604B	12051.00	FBI3 .A05	100.0	100000.0
6	S604C	13533.00	FBI3 .A06	100.0	100000.0

STD: 1 S626A FILE= FBI3 .A01

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 2 S626B FILE= FBI3 .A02

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 3 S626C FILE= FBI3 .A03

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 4 S604A FILE= FBI3 .A04

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 5 S604B

FILE= FB13 .A05

ELEMENT	ENERGY	CONC	ERROR
1 Z-COPPER	511.00	0.0000E-01	0.0000E-01
2 Z-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3 Z-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 6 S604C

FILE= FB13 .A06

ELEMENT	ENERGY	CONC	ERROR
1 Z-COPPER	511.00	0.0000E-01	0.0000E-01
2 Z-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3 Z-ARSENIC	657.41	1.0000E-01	0.0000E-01

UNKNOWN SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	14581.00	FB13 .A01	100.0	100000.0
2	S626B	12474.00	FB13 .A02	100.0	100000.0
3	S626C	12505.00	FB13 .A03	100.0	100000.0
4	S604A	12513.00	FB13 .A04	100.0	100000.0
5	S604B	12051.00	FB13 .A05	100.0	100000.0
6	S604C	13553.00	FB13 .A06	100.0	100000.0
7	Q1044A1	9818.00	FB13 .A07	100.0	100000.0
8	Q1044A2	10018.00	FB13 .A08	100.0	100000.0
9	Q1044A3	9329.00	FB13 .A09	100.0	100000.0
10	Q1044B1	11347.00	FB13 .A10	100.0	100000.0
11	Q1044B2	12100.00	FB13 .A11	100.0	100000.0
12	Q1044B3	11561.00	FB13 .A12	100.0	100000.0
13	Q1044C1	10225.00	FB13 .A13	100.0	100000.0
14	Q1044C2	10117.00	FB13 .A14	100.0	100000.0
15	Q1044C3	10584.00	FB13 .A15	100.0	100000.0
16	Q1044D1	11802.00	FB13 .A16	100.0	100000.0
17	Q1044D2	12380.00	FB13 .A17	100.0	100000.0
18	Q1044D3	12224.00	FB13 .A18	100.0	100000.0
19	Q1044E1	10270.00	FB13 .A19	100.0	100000.0
20	Q1044E2	11181.00	FB13 .A20	100.0	100000.0
21	Q1044E3	11122.00	FB13 .A21	100.0	100000.0
22	Q1044F1	9816.00	FB13 .A22	100.0	100000.0
23	Q1044F2	9742.00	FB13 .A23	100.0	100000.0
24	Q1044F3	9752.00	FB13 .A24	100.0	100000.0
25	Q1044G1	10819.00	FB13 .A25	100.0	100000.0
26	Q1044G2	11140.00	FB13 .A26	100.0	100000.0
27	Q1044G3	10989.00	FB13 .A27	100.0	100000.0
28	Q1044H1	10315.00	FB13 .A28	100.0	100000.0
29	Q1044H2	10416.00	FB13 .A29	100.0	100000.0
30	Q1044H3	10806.00	FB13 .A30	100.0	100000.0
31	Q1044I1	10982.00	FB13 .A31	100.0	100000.0
32	Q1044I2	11330.00	FB13 .A32	100.0	100000.0
33	Q1044I3	11422.00	FB13 .A33	100.0	100000.0
34	Q1044J1	10608.00	FB13 .A34	100.0	100000.0
35	Q1044J2	10568.00	FB13 .A35	100.0	100000.0
36	Q1044J3	11043.00	FB13 .A36	100.0	100000.0
37	Q1044K1	9649.00	FB13 .A37	100.0	100000.0
38	Q1044K2	9865.00	FB13 .A38	100.0	100000.0
39	Q1044K3	8962.00	FB13 .A39	100.0	100000.0
40	Q1044L1	10568.00	FB13 .A40	100.0	100000.0
41	Q1044L2	10029.00	FB13 .A41	100.0	100000.0
42	Q1044L3	10385.00	FB13 .A42	100.0	100000.0
43	Q1044M1	9427.00	FB13 .A43	100.0	100000.0
44	Q1044M2	9076.00	FB13 .A44	100.0	100000.0
45	Q1044M3	9739.00	FB13 .A45	100.0	100000.0
46	Q1044N1	8989.00	FB13 .A46	100.0	100000.0

47	Q1044N2	8042.00	FBI3	.A47	100.0	100000.0
48	Q1044N3	9230.00	FBI3	.A48	100.0	100000.0
49	Q1044O1	910.00	FBI3	.A49	100.0	100000.0
50	Q1044O2	5272.00	FBI3	.A50	100.0	100000.0
51	Q1044O3	8864.00	FBI3	.A51	100.0	100000.0
52	Q1044P1	7454.00	FBI3	.A52	100.0	100000.0
53	Q1044P2	7372.00	FBI3	.A53	100.0	100000.0
54	Q1044P3	7108.00	FBI3	.A54	100.0	100000.0
55	Q1044Q1	9059.00	FBI3	.A55	100.0	100000.0
56	Q1044Q2	8408.00	FBI3	.A56	100.0	100000.0
57	Q1044Q3	9211.00	FBI3	.A57	100.0	100000.0
58	Q1044R1	8686.00	FBI3	.A58	100.0	100000.0
59	Q1044R2	8528.00	FBI3	.A59	100.0	100000.0
60	Q1044R3	9289.00	FBI3	.A60	100.0	100000.0
61	Q1044S1	7586.00	FBI3	.A61	100.0	100000.0
62	Q1044S2	10497.00	FBI3	.A62	100.0	100000.0
63	Q1044S3	10460.00	FBI3	.A63	100.0	100000.0
64	Q1044T1	10318.00	FBI3	.A64	100.0	100000.0
65	Q1044T2	10241.00	FBI3	.A65	100.0	100000.0
66	Q1044T3	9056.00	FBI3	.A66	100.0	100000.0
67	Q1044U1	9702.00	FBI3	.A67	100.0	100000.0
68	Q1044U2	9785.00	FBI3	.A68	100.0	100000.0
69	Q1044U3	10569.00	FBI3	.A69	100.0	100000.0
70	Q1044V1	10062.00	FBI3	.A70	100.0	100000.0
71	Q1044V2	9590.00	FBI3	.A71	100.0	100000.0
72	Q1044V3	10188.00	FBI3	.A72	100.0	100000.0
73	Q1044W1	9471.00	FBI3	.A73	100.0	100000.0
74	Q1044W2	9189.00	FBI3	.A74	100.0	100000.0
75	Q1044W3	8467.00	FBI3	.A75	100.0	100000.0
76	Q1044X1	8172.00	FBI3	.A76	100.0	100000.0
77	Q1044X2	9057.00	FBI3	.A77	100.0	100000.0
78	Q1044X3	8994.00	FBI3	.A78	100.0	100000.0
79	Q1044Y1	8100.00	FBI3	.A79	100.0	100000.0
80	Q1044Y2	9417.00	FBI3	.A80	100.0	100000.0
81	Q1044Y3	9404.00	FBI3	.A81	100.0	100000.0
82	Q1044Z1	9180.00	FBI3	.A82	100.0	100000.0
83	Q1044Z2	8647.00	FBI3	.A83	100.0	100000.0
84	Q1044Z3	8904.00	FBI3	.A84	100.0	100000.0
85	Q1044AA1	10660.00	FBI3	.A85	100.0	100000.0
86	Q1044AA2	10386.00	FBI3	.A86	100.0	100000.0
87	Q1044AA3	10138.00	FBI3	.A87	100.0	100000.0
88	Q1044AB1	9855.00	FBI3	.A88	100.0	100000.0
89	Q1044AB2	10091.00	FBI3	.A89	100.0	100000.0
90	Q1044AB3	9711.00	FBI3	.A90	100.0	100000.0
91	Q1044AC1	8890.00	FBI3	.A91	100.0	100000.0
92	Q1044AC2	9322.00	FBI3	.A92	100.0	100000.0
93	Q1044AC3	9264.00	FBI3	.A93	100.0	100000.0
94	Q1044AD1	7977.00	FBI3	.A94	100.0	100000.0
95	Q1044AD2	8207.00	FBI3	.A95	100.0	100000.0
96	Q1044AD3	9136.00	FBI3	.A96	100.0	100000.0
97	Q1044AE1	7681.00	FBI3	.A97	100.0	100000.0
98	Q1044AE2	6700.00	FBI3	.A98	100.0	100000.0
99	Q1044AE3	7621.00	FBI3	.A99	100.0	100000.0

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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
SAMPLE IDENTIFICATION: S626A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 14581.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 20JUN80 1431:53 * FWHM(1332) 3.114
PRESET TIME(LIVE): 300. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 318. SEC * SHAPE PARAMETER : 10.0 %
ELAPSED LIVE TIME: 300. SEC * NBR ITERATIONS: 10.
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DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
*

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STANDARD REPORT :

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	38605.	7.8000E-02	0.0000E-01	1.3731E-01	7.2877E-04
%-ANTIMONY	564.1	112900.	7.2000E-01	0.0000E-01	3.7234E-02	1.1184E-04
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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21 JUN 1980 8:02:34 AM XX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
SAMPLE IDENTIFICATION: S626B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 12474.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 20JUN80 1437:23 * FWHM(1332) 3.114
PRESET TIME(LIVE): 300. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 316. SEC * SHAPE PARAMETER : 10.0 %
ELAPSED LIVE TIME: 300. SEC * NBR ITERATIONS: 10.
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DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	32635.	7.8000E-02	0.0000E-01	1.3636E-01	7.8628E-04
%-ANTIMONY	564.1	95103.	7.2000E-01	0.0000E-01	3.6698E-02	1.2007E-04
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00

SAMPLE IDENTIFICATION: S626C

TYPE OF SAMPLE: STANDARD

SAMPLE QUANTITY: 12505.00 UNITS: UG

SAMPLE GEOMETRY: RT4 5MIN

EFFICIENCY FILE NAME: EFF.TAB1

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*
 ACQUISITION DATE: 20JUN80 1442:49 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 300. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 316. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 300. SEC * NBR ITERATIONS: 10.
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 DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	31993.	7.8000E-02	0.0000E-01	1.3400E-01	7.8041E-04
%-ANTIMONY	564.1	93337.	7.2000E-01	0.0000E-01	3.5962E-02	1.1878E-04
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
SAMPLE IDENTIFICATION: S604A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 12513.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 20JUN80 1448:16 * FWHM(1332) 3.114
PRESET TIME(LIVE): 300. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 336. SEC * SHAPE PARAMETER : 10.0 %
ELAPSED LIVE TIME: 300. SEC * NBR ITERATIONS: 10.
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DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	2977.	1.0000E-01	0.0000E-01	8.7759E-03	1.8836E-04

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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
SAMPLE IDENTIFICATION: S604B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 12051.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 20JUN80 1454:02 * FWHM(1332) 3.114
PRESET TIME(LIVE): 300. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 337. SEC * SHAPE PARAMETER : 10.0 %
ELAPSED LIVE TIME: 300. SEC * NBR ITERATIONS: 10.
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DETECTOR: GELI 15 #1 * LIBRARY:N.LIE1
DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
*

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STANDARD REPORT :

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	3092.	1.0000E-01	0.0000E-01	9.4885E-03	1.9996E-04

SUMMARY OF STANDARD CONSTANTS:

1. ELEMENT Z--COPPER AT 511.00 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.8000E-02	1.3731E-01	7.2877E-04
S626B	7.8000E-02	1.3636E-01	7.8628E-04
S626C	7.8000E-02	1.3400E-01	7.8041E-04
MEAN CONSTANT, 3 STDS:		1.3596E-01	4.4098E-04

2. ELEMENT Z--ANTIMONY AT 564.09 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.2000E-01	3.7234E-02	1.1186E-04
S626B	7.2000E-01	3.6698E-02	1.2007E-04
S626C	7.2000E-01	3.5962E-02	1.1878E-04
MEAN CONSTANT, 3 STDS:		3.6655E-02	6.7396E-03

3. ELEMENT Z--ARSENIC AT 657.41 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S604A	1.0000E-01	8.7759E-03	1.8836E-04
S604B	1.0000E-01	9.4885E-03	1.9996E-04
S604C	1.0000E-01	8.6883E-03	1.8191E-04
MEAN CONSTANT, 3 STDS:		8.9578E-03	1.0949E-04

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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: S626A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14581.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 20JUN80 1431:53 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 300. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 318. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 300. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
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1009:	278.	314.	308.	321.	343.	405.	395.	561.	684.
1018:	1079.	1692.	2642.	3988.	5522.	6782.	7398.	7033.	5587.
1027:	3983.	2538.	1501.	904.	480.	340.	275.	230.	189.

% COPPER 511.0 + 0.0 KEV 0.0788

1117:	366.	425.	488.	600.	645.	687.	721.	913.	1689.
1126:	3337.	7034.	13246.	20747.	25132.	23320.	16158.	8337.	3193.
1135:	967.	274.	96.	81.	68.	71.	69.	80.	79.

% ANTIMONY 564.1 + 0.5 KEV 0.7314

1301:	33.	49.	61.	42.	37.	45.	25.	44.	37.
1310:	39.	52.	52.	62.	57.	61.	69.	62.	64.
1319:	47.	44.	47.	42.	30.	32.	44.	31.	37.

% ARSENIC 657.4 + 0.0 KEV 0.0030

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1688.	38605.	0.0788	0.0005	0.6
%-ANTIMONY	564.1	1075.	112900.	0.7314	0.0026	0.4
%-ARSENIC	657.4	207.	107.	0.0030	0.0006	21.4

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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: S626B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12474.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 20JUN80 1437:23 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 300. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 316. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 300. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

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1009:	237.	220.	257.	254.	285.	302.	367.	444.	594.
1018:	849.	1474.	2261.	3341.	4706.	5754.	6140.	5826.	4747.
1027:	3510.	2242.	1301.	722.	476.	286.	261.	203.	156.

% COPPER 511.0 KEV 0.0782

1117:	326.	342.	417.	520.	544.	592.	558.	825.	1372.
1126:	2873.	6143.	11315.	17025.	21191.	19288.	13754.	7249.	2992.
1135:	953.	276.	106.	83.	66.	63.	58.	58.	60.

% ANTIMONY 564.1 KEV 0.7208

1301:	42.	50.	45.	34.	38.	35.	48.	37.	29.
1310:	37.	35.	35.	52.	39.	65.	53.	58.	44.
1319:	50.	39.	45.	30.	32.	33.	43.	32.	36.

% ARSENIC 657.4 KEV 0.0027

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1389.	32635.	0.0782	0.0005	0.7
%-ANTIMONY	564.1	862.	95103.	0.7208	0.0027	0.4
%-ARSENIC	657.4	186.	81.	0.0027	0.0007	26.3

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:07:38 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: S626C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12505.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1442:49 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 300. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 316. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 300. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	193.	229.	261.	257.	275.	311.	360.	440.	587.
1018:	991.	1473.	2237.	3359.	4569.	5585.	6026.	5671.	4724.
1027:	3421.	2189.	1312.	738.	447.	282.	208.	203.	165.

% COPPER 511.0 KEV 0.0769

1117:	316.	370.	433.	510.	525.	586.	639.	863.	1511.
1126:	3055.	6433.	11366.	17024.	20038.	18421.	13585.	7323.	3131.
1135:	992.	287.	110.	66.	62.	61.	52.	66.	61.

% ANTIMONY 564.1 KEV 0.7064

1301:	41.	30.	35.	30.	49.	45.	33.	29.	43.
1310:	30.	38.	30.	52.	36.	48.	51.	45.	61.
1319:	35.	43.	35.	38.	31.	34.	34.	34.	39.

% ARSENIC 657.4 KEV <0.0021

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1362.	31993.	0.0769	0.0005	0.7
%-ANTIMONY	564.1	853.	93337.	0.7064	0.0027	0.4
%-ARSENIC	657.4	180.	61. <	0.0021	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:08:29 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: S604A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12513.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1448:16 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 300. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 336. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 300. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	505.	463.	485.	476.	468.	465.	498.	467.	529.
1018:	537.	565.	670.	803.	850.	1021.	982.	954.	872.
1027:	706.	612.	469.	519.	463.	493.	449.	484.	458.

% COPPER 511.0 0.0070 0.0024

1117:	2922.	4637.	6713.	7821.	7765.	6148.	4313.	3631.	4680.
1126:	8637.	17209.	30591.	45075.	53462.	49289.	35092.	18926.	7953.
1135:	2677.	879.	369.	258.	245.	282.	257.	249.	203.

% ANTIMONY 564.1 1.8689 0.0051

1301:	133.	107.	121.	106.	130.	108.	96.	110.	134.
1310:	115.	180.	266.	388.	578.	780.	834.	787.	550.
1319:	356.	194.	123.	110.	113.	114.	109.	87.	114.

% ARSENIC 657.4 0.0980 0.0024

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	3273.	2915.	0.0070	0.0002	3.4
%-ANTIMONY	564.1	2788.	246856.	1.8689	0.0051	0.3
%-ARSENIC	657.4	553.	2977.	0.0980	0.0024	2.5

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:09:20 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: S6048
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12051.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MLN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

*
 ACQUISITION DATE: 20JUN80 1454:02 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 300. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 337. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 300. SEC * NBR ITERATIONS: 10.
 *

XX

*
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	504.	483.	476.	496.	517.	526.	502.	540.	514.
1018:	566.	620.	657.	779.	856.	1039.	974.	998.	901.
1027:	763.	648.	539.	554.	500.	497.	466.	477.	447.

% COPPER: 51.1 ± 0.0 KEV 0.0076

1117:	3046.	4862.	6934.	8225.	8026.	6189.	4288.	3692.	4830.
1126:	9047.	17530.	31105.	46236.	54031.	50380.	35612.	19746.	8097.
1135:	2671.	883.	396.	295.	271.	238.	232.	229.	248.

% ANTIMONY: 564.1 ± 0.5 KEV 1.9817

1301:	127.	126.	125.	116.	124.	130.	123.	121.	156.
1310:	172.	179.	273.	395.	624.	802.	876.	805.	561.
1319:	375.	207.	146.	100.	103.	99.	117.	113.	121.

% ARSENIC: 657.4 ± 0.5 KEV 0.1059

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	3308.	3002.	0.0076	0.0002	3.3
%-ANTIMONY	564.1	2801.	251839.	1.9817	0.0054	0.3
%-ARSENIC	657.4	577.	3092.	0.1059	0.0026	2.4

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:10:12 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: S604C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13553.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1459:49 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 300. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 340. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 300. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	472.	517.	495.	519.	530.	524.	513.	577.	515.
1018:	579.	607.	742.	868.	974.	1078.	1086.	1072.	930.
1027:	844.	726.	602.	583.	526.	485.	506.	500.	500.

% COPPER 511.1 + 0.0 KEV 0.0075

1117:	3185.	5155.	7246.	8687.	8376.	6694.	4664.	3947.	5273.
1126:	9675.	18964.	33169.	48672.	56919.	52908.	37611.	20746.	9033.
1135:	3033.	942.	423.	299.	283.	287.	253.	266.	267.

% ANTIMONY 564.1 + 0.5 KEV 1.8627

1301:	155.	127.	132.	136.	140.	123.	145.	119.	131.
1310:	169.	214.	273.	406.	644.	853.	899.	810.	592.
1319:	387.	246.	162.	133.	100.	126.	114.	114.	115.

% ARSENIC 657.4 + 0.4 KEV 0.0970

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	3522.	3330.	0.0075	0.0002	3.1
%-ANTIMONY	564.1	3044.	265945.	1.8627	0.0050	0.3
%-ARSENIC	657.4	623.	3176.	0.0970	0.0024	2.4

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:11:03 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044A1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9818.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1505:39 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	23.	23.	21.	30.	10.	23.	24.	32.	45.
1018:	40.	65.	73.	87.	133.	168.	161.	201.	133.
1027:	109.	68.	47.	47.	32.	17.	29.	-17.	19.

% COPPER 511.0 KEV 0.0013

1117:	30.	23.	22.	23.	28.	25.	32.	38.	72.
1126:	124.	230.	365.	609.	674.	638.	435.	266.	128.
1135:	43.	18.	19.	16.	27.	25.	19.	20.	16.

% ANTIMONY 564.0 KEV 0.0150

1301:	11.	14.	14.	11.	20.	12.	13.	10.	23.
1310:	15.	20.	11.	14.	15.	26.	18.	9.	21.
1319:	17.	20.	18.	22.	10.	18.	18.	26.	15.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	167.	825.	0.0013	0.0001	4.1
%-ANTIMONY	564.1	128.	3089.	0.0150	0.0003	1.9
%-ARSENIC	657.4	83.	-7.	< 9.5087E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:11:54 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044A2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10018.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1515:54 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	27.	25.	25.	23.	25.	35.	23.	22.	42.
1018:	56.	52.	100.	102.	136.	181.	191.	200.	171.
1027:	101.	84.	62.	38.	28.	36.	25.	31.	19.

% COPPER 511.0 - 100 KEV 0.0014

1117:	38.	29.	19.	32.	28.	30.	34.	38.	76.
1126:	118.	225.	379.	518.	667.	626.	452.	241.	115.
1135:	44.	32.	27.	15.	20.	14.	21.	18.	19.

% ANTIMONY 564.1 - 100 KEV 0.0140

1301:	26.	20.	22.	24.	26.	16.	19.	20.	21.
1310:	23.	19.	26.	22.	22.	21.	11.	15.	30.
1319:	20.	16.	13.	20.	22.	26.	20.	20.	21.

% ARSENIC 657.4 - 100 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	193.	890.	0.0014	0.0001	4.0
%-ANTIMONY	564.1	170.	2938.	0.0140	0.0003	2.0
%-ARSENIC	657.4	108.	2. <	0.0011	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:12:46 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044A3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9329.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1526:08 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	18.	23.	22.	23.	19.	19.	28.	19.	30.
1018:	32.	51.	84.	104.	115.	170.	148.	163.	127.
1027:	92.	72.	51.	44.	22.	33.	19.	23.	19.

% COPPER 511.0 KEV 0.0013

1117:	24.	23.	18.	22.	24.	24.	34.	39.	70.
1126:	110.	208.	359.	506.	609.	546.	407.	228.	106.
1135:	39.	20.	16.	22.	19.	22.	17.	16.	20.

% ANTIMONY 564.0 KEV 0.0139

1301:	17.	16.	11.	14.	21.	14.	19.	16.	12.
1310:	17.	9.	14.	16.	12.	15.	19.	14.	26.
1319:	13.	10.	24.	23.	17.	18.	18.	15.	10.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	156.	763.	0.0013	0.0001	4.3
%-ANTIMONY	564.1	137.	2726.	0.0139	0.0003	2.0
%-ARSENIC	657.4	84.	2. <	0.0010	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:13:37 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044B1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: .11347.00 UNITS: UG
 SAMPLE GEOMETRY: K14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1536:22 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *
 XXX

XX

1009:	65.	70.	68.	88.	71.	70.	87.	104.	115.
1018:	145.	208.	322.	521.	656.	737.	775.	755.	611.
1027:	411.	308.	195.	143.	82.	82.	60.	56.	59.

% COPPER 511.0 - 100 KEV 0.0056

1117:	108.	166.	203.	215.	226.	217.	223.	246.	456.
1126:	918.	1973.	3631.	5197.	6194.	5555.	4090.	2208.	833.
1135:	258.	76.	34.	28.	20.	13.	25.	17.	22.

% ANTIMONY 564.1 - 100 KEV 0.1201

1301:	22.	29.	17.	27.	19.	20.	20.	25.	24.
1310:	15.	16.	14.	29.	14.	30.	32.	33.	26.
1319:	18.	19.	15.	18.	19.	14.	18.	16.	12.

% ARSENIC 657.4 - 100 KEV < 9.0654E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	433.	4033.	0.0056	0.0001	1.8
%-ANTIMONY	564.1	330.	28518.	0.1201	0.0008	0.6
%-ARSENIC	657.4	99.	39.	< 9.0654E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:14:28 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: U1044B2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12100.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1549:10 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	63.	93.	84.	75.	67.	101.	82.	83.	122.
1018:	163.	221.	334.	463.	645.	735.	861.	758.	650.
1027:	460.	302.	199.	133.	93.	65.	72.	75.	74.

% COPPER 511.0 KEV 0.0055

1117:	119.	167.	213.	254.	242.	221.	218.	305.	526.
1126:	1057.	2202.	3864.	5681.	6611.	6007.	4242.	2292.	880.
1135:	306.	86.	38.	27.	21.	19.	30.	27.	22.

% ANTIMONY 564.1 KEV 0.1209

1301:	21.	26.	16.	16.	27.	18.	20.	20.	22.
1310:	19.	26.	25.	21.	27.	28.	36.	35.	26.
1319:	20.	23.	24.	16.	24.	18.	12.	17.	15.

% ARSENIC 657.4 KEV 9.9735E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	441.	4131.	0.0055	0.0001	1.7
%-ANTIMONY	564.1	357.	30542.	0.1209	0.0007	0.6
%-ARSENIC	657.4	95.	57.	9.9735E-04	2.7528E-04	27.6

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:15:19 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044B3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11561.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1559:27 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 606. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NET ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	70.	72.	58.	70.	74.	90.	92.	109.	104.
1018:	198.	221.	326.	458.	630.	783.	817.	744.	629.
1027:	452.	296.	178.	139.	109.	78.	75.	61.	65.

% COPPER 511.0 KEV 0.0057

1117:	127.	166.	224.	244.	216.	245.	236.	284.	480.
1126:	1013.	2037.	3651.	5372.	6361.	5842.	3983.	2173.	917.
1135:	261.	88.	41.	26.	34.	22.	25.	26.	14.

% ANTIMONY 564.1 KEV 0.1208

1301:	22.	21.	22.	31.	24.	28.	17.	22.	30.
1310:	22.	18.	21.	36.	36.	37.	41.	24.	25.
1319:	25.	35.	21.	18.	27.	26.	22.	15.	15.

% ARSENIC 657.4 KEV 0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	449.	4064.	0.0057	0.0001	1.8
%-ANTIMONY	564.1	311.	29108.	0.1208	0.0007	0.6
%-ARSENIC	657.4	117.	57.	0.0010	0.0003	30.0

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:16:10 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044C1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10225.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1609:46 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	57.	58.	64.	51.	43.	48.	64.	69.	76.
1018:	121.	171.	209.	313.	498.	557.	572.	511.	432.
1027:	335.	193.	148.	93.	61.	52.	51.	54.	38.

% COPPER 511.1 KEV 0.0046

1117:	92.	139.	142.	154.	159.	142.	146.	205.	353.
1126:	749.	1398.	2518.	3645.	4053.	3746.	2673.	1421.	554.
1135:	175.	58.	25.	24.	19.	26.	17.	11.	23.

% ANTIMONY 564.1 KEV 0.0903

1301:	18.	24.	22.	18.	20.	16.	21.	17.	8.
1310:	13.	15.	15.	23.	18.	21.	22.	24.	19.
1319:	17.	20.	17.	18.	20.	18.	12.	14.	17.

% ARSENIC 657.4 KEV < 9.8344E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	335.	2883.	0.0046	0.0001	2.1
%-ANTIMONY	564.1	237.	19217.	0.0903	0.0007	0.8
%-ARSENIC	657.4	91.	17.	< 9.8344E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:17:01 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044CZ
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10117.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1620:00 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	63.	39.	58.	46.	53.	64.	72.	68.	81.
1018:	120.	162.	248.	332.	431.	530.	556.	501.	431.
1027:	308.	230.	130.	101.	56.	64.	71.	57.	51.

% COPPER 511.0 KEV 0.0044

1117:	98.	116.	136.	177.	155.	129.	157.	181.	340.
1126:	645.	1385.	2434.	3567.	4124.	3794.	2579.	1475.	623.
1135:	184.	73.	34.	19.	25.	26.	21.	21.	28.

% ANTIMONY 564.1 KEV 0.0908

1301:	30.	26.	23.	24.	20.	25.	14.	18.	22.
1310:	25.	30.	30.	40.	21.	34.	31.	24.	30.
1319:	30.	30.	23.	32.	25.	26.	22.	20.	22.

% ARSENIC 657.4 KEV < 0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	379.	2710.	0.0044	0.0001	2.2
%-ANTIMONY	564.1	291.	19068.	0.0908	0.0007	0.8
%-ARSENIC	657.4	122.	37. <	0.0011	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:17:53 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044C3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10584.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1630:15 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *
 XXX

1009:	54.	40.	57.	46.	56.	39.	77.	81.	94.
1018:	119.	179.	236.	310.	454.	512.	580.	533.	434.
1027:	298.	223.	132.	97.	77.	51.	65.	52.	40.

% COPPER 511.0 KEV 0.0043

1117:	92.	121.	140.	191.	158.	150.	145.	207.	321.
1126:	676.	1434.	2574.	3858.	4440.	4054.	2823.	1575.	614.
1135:	219.	52.	30.	21.	20.	17.	19.	17.	21.

% ANTIMONY 564.1 KEV 0.0035

1301:	22.	21.	22.	14.	22.	25.	14.	14.	15.
1310:	14.	17.	15.	17.	23.	22.	26.	23.	29.
1319:	16.	17.	19.	9.	12.	12.	16.	17.	18.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	351.	2770.	0.0043	0.0001	2.2
%-ANTIMONY	564.1	242.	20516.	0.0935	0.0007	0.7
%-ARSENIC	657.4	85.	38.	< 9.2838E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:18:44 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: R1044D1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11802.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1640:29 * FWHM(1332) 3.114
 PRESET TIME (LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY: N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	57.	56.	53.	69.	74.	58.	77.	64.	96.
1018:	100.	187.	252.	358.	505.	572.	648.	564.	487.
1027:	359.	268.	146.	108.	84.	66.	68.	53.	52.

% COPPER 511.1 + 0.0 KEV 0.0044

1117:	114.	140.	155.	189.	169.	163.	183.	223.	364.
1126:	824.	1577.	2774.	4192.	4852.	4410.	3134.	1652.	681.
1135:	223.	80.	29.	27.	20.	12.	25.	18.	19.

% ANTIMONY 564.1 + 0.0 KEV 0.0013

1301:	17.	22.	17.	26.	18.	22.	15.	23.	21.
1310:	19.	23.	24.	24.	31.	42.	30.	30.	30.
1319:	26.	29.	25.	18.	24.	19.	17.	21.	23.

% ARSENIC 657.4 + 0.0 KEV 0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	388.	3105.	0.0044	0.0001	2.0
%-ANTIMONY	564.1	307.	22284.	0.0913	0.0006	0.7
%-ARSENIC	657.4	102.	61.	0.0011	0.0003	26.7

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:19:35 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044D2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12380.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1650:43 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	81.	65.	64.	76.	69.	70.	58.	92.	115.
1018:	140.	178.	269.	389.	506.	620.	658.	617.	488.
1027:	374.	287.	171.	116.	79.	66.	74.	49.	46.

% COPPER 511.0 KEV 0.0044

1117:	96.	126.	163.	198.	173.	179.	200.	231.	396.
1126:	830.	1575.	2876.	4220.	4993.	4519.	3210.	1706.	743.
1135:	253.	63.	41.	32.	28.	25.	24.	28.	33.

% ANTIMONY 564.1 KEV 0.0891

1301:	23.	20.	28.	29.	24.	16.	30.	21.	15.
1310:	21.	32.	32.	35.	28.	30.	31.	40.	38.
1319:	28.	31.	39.	17.	33.	20.	22.	24.	22.

% ARSENIC 657.4 KEV < 9.2946E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	415.	3237.	0.0044	0.0001	2.0
%-ANTIMONY	564.1	329.	22770.	0.0891	0.0006	0.7
%-ARSENIC	657.4	117.	32.	< 9.2946E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:20:26 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044D3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12224.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1700:58 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	67.	69.	72.	66.	81.	71.	81.	91.	101.
1018:	136.	182.	259.	372.	490.	581.	626.	582.	505.
1027:	333.	288.	148.	123.	82.	66.	60.	59.	55.

% COPPER 511.0 KEV 0.0043

1117:	103.	134.	165.	201.	204.	191.	191.	244.	414.
1126:	831.	1572.	2915.	4335.	4977.	4542.	3193.	1763.	697.
1135:	247.	80.	32.	31.	27.	25.	26.	21.	30.

% ANTIMONY 564.1 KEV 0.0912

1301:	19.	24.	21.	23.	27.	16.	25.	17.	25.
1310:	25.	19.	18.	26.	24.	33.	36.	28.	24.
1319:	28.	24.	26.	23.	27.	27.	21.	22.	22.

% ARSENIC 657.4 KEV < 9.417E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	377.	3112.	0.0043	0.0001	2.0
%-ANTIMONY	564.1	314.	22983.	0.0912	0.0006	0.7
%-ARSENIC	657.4	116.	32.	< 9.417E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:21:18 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044E1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10270.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1711:12 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	55.	54.	52.	50.	59.	61.	51.	67.	97.
1018:	161.	187.	314.	413.	582.	673.	688.	680.	520.
1027:	386.	282.	170.	112.	68.	53.	57.	38.	44.

% COPPER 511.0 - 0.0 KEV 0.00050

1117:	89.	110.	145.	163.	179.	146.	153.	190.	326.
1126:	646.	1423.	2513.	3605.	4372.	4084.	2834.	1539.	669.
1135:	227.	65.	23.	17.	17.	11.	14.	20.	12.

% ANTIMONY 564.1 - 0.0 KEV 0.00553

1301:	18.	11.	14.	13.	12.	11.	14.	13.	14.
1310:	15.	13.	24.	16.	20.	10.	31.	25.	23.
1319:	21.	19.	21.	14.	17.	12.	19.	18.	14.

% ARSENIC 657.4 - 0.0 KEV < 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	343.	3599.	0.0060	0.0001	1.8
%-ANTIMONY	564.1	237.	20133.	0.0953	0.0007	0.7
%-ARSENIC	657.4	71.	39.	< 8.9233E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:22:09 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044E2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11181.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1721:26 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	59.	61.	82.	67.	46.	61.	74.	83.	96.
1018:	139.	196.	296.	464.	560.	647.	737.	705.	621.
1027:	423.	265.	163.	130.	75.	56.	57.	48.	53.

% COPPER 511.0 KEV 0.0059

1117:	91.	126.	175.	193.	189.	157.	180.	211.	364.
1126:	819.	1534.	2855.	4078.	4931.	4506.	3183.	1683.	709.
1135:	226.	78.	29.	20.	21.	17.	22.	22.	19.

% ANTIMONY 564.0 KEV 0.0979

1301:	18.	26.	22.	20.	19.	13.	14.	15.	21.
1310:	19.	24.	18.	24.	19.	21.	24.	28.	28.
1319:	24.	17.	18.	9.	15.	15.	22.	14.	24.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	389.	3769.	0.0059	0.0001	1.8
%-ANTIMONY	564.1	288.	22482.	0.0979	0.0007	0.7
%-ARSENIC	657.4	87.	17.	< 9.1113E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:23:00 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044E3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11122.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1731:40 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	59.	59.	65.	57.	64.	66.	57.	79.	105.
1018:	115.	175.	263.	330.	437.	551.	582.	542.	481.
1027:	344.	235.	147.	114.	66.	61.	64.	45.	50.

% COPPER 511.0 KEV 0.0046

1117:	88.	130.	141.	174.	186.	153.	145.	208.	357.
1126:	729.	1529.	2700.	3943.	4713.	4278.	3140.	1675.	682.
1135:	222.	68.	32.	24.	22.	20.	32.	27.	20.

% ANTIMONY 564.1 KEV 0.0953

1301:	14.	9.	18.	22.	22.	15.	15.	21.	18.
1310:	16.	14.	15.	21.	17.	24.	24.	23.	33.
1319:	25.	11.	20.	21.	15.	16.	15.	14.	20.

% ARSENIC 657.4 KEV < 9.0006E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	353.	2914.	0.0046	0.0001	2.1
%-ANTIMONY	564.1	248.	21730.	0.0953	0.0007	0.7
%-ARSENIC	657.4	84.	37.	< 9.0006E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:23:51 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044F1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9816.000 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1741:55 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	16.	16.	12.	24.	13.	19.	23.	19.	30.
1018:	34.	46.	77.	98.	137.	162.	171.	164.	133.
1027:	108.	64.	48.	35.	21.	16.	22.	7.	17.

% COPPER 511.1 - 100 KEV 0.0016

1117:	19.	11.	16.	16.	23.	17.	23.	31.	58.
1126:	140.	232.	417.	610.	720.	653.	479.	257.	137.
1135:	34.	20.	10.	18.	14.	10.	9.	10.	8.

% ANTIMONY 564.1 - 100 KEV 0.0163

1301:	6.	19.	8.	4.	15.	9.	18.	11.	10.
1310:	11.	9.	7.	15.	11.	12.	9.	8.	14.
1319:	9.	11.	14.	13.	9.	10.	6.	10.	3.

% ARSENIC 657.4 - 100 KEV < 8.1769E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	113.	860.	0.0016	0.0001	3.8
%-ANTIMONY	564.1	98.	3270.	0.0163	0.0003	1.8
%-ARSENIC	657.4	52.	2.	< 8.1769E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:24:42 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044F2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9742.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1752:10 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *
 XXX

1009:	17.	26.	23.	18.	22.	30.	16.	28.	30.
1018:	46.	55.	75.	128.	134.	190.	146.	180.	132.
1027:	90.	80.	48.	34.	27.	24.	31.	27.	28.

% COPPER 511.1 - 100 KEV 0 - 100.0 KEV

1117:	26.	21.	23.	24.	28.	22.	32.	49.	68.
1126:	142.	223.	417.	606.	708.	653.	471.	272.	115.
1135:	53.	18.	22.	11.	9.	16.	17.	16.	17.

% ANTIMONY 564.1 - 100 KEV 0 - 100.0 KEV

1301:	14.	15.	14.	18.	9.	13.	15.	20.	14.
1310:	17.	7.	12.	16.	11.	14.	12.	21.	17.
1319:	15.	9.	8.	10.	10.	19.	15.	11.	21.

% ARSENIC 657.4 - 100 KEV < 0 - 100.0 KEV

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	133.	867.	0.0016	0.0001	3.9
%-ANTIMONY	564.1	93.	3257.	0.0164	0.0003	1.8
%-ARSENIC	657.4	67.	8.	< 9.3525E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:25:34 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044F3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9752.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1802:24 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY: N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	21.	19.	27.	21.	23.	20.	25.	27.	27.
1018:	45.	53.	83.	114.	146.	176.	186.	184.	134.
1027:	97.	73.	50.	40.	24.	22.	29.	14.	21.

% COPPER 511.0 KEV 0.0017

1117:	19.	23.	29.	38.	27.	22.	40.	42.	59.
1126:	108.	235.	439.	637.	767.	745.	519.	280.	135.
1135:	60.	21.	23.	21.	12.	13.	13.	12.	14.

% ANTIMONY 564.0 KEV 0.0176

1301:	21.	15.	16.	13.	17.	16.	19.	17.	9.
1310:	19.	6.	12.	12.	18.	14.	17.	14.	11.
1319:	10.	16.	11.	7.	15.	15.	13.	16.	17.

% ARSENIC 657.4 KEV < 9.6744E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	132.	905.	0.0017	0.0001	3.8
%-ANTIMONY	564.1	113.	3509.	0.0176	0.0003	1.8
%-ARSENIC	657.4	72.	4.	< 9.6744E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:26:25 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044G1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10819.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1812:40 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	56.	43.	54.	47.	35.	57.	46.	57.	81.
1018:	97.	136.	188.	270.	338.	408.	419.	471.	355.
1027:	262.	188.	128.	77.	64.	49.	45.	37.	37.

% COPPER 511.0 KEV 0.0037

1117:	75.	89.	130.	135.	150.	130.	129.	180.	304.
1126:	596.	1129.	2214.	3124.	3806.	3529.	2464.	1444.	577.
1135:	205.	49.	24.	15.	13.	16.	10.	15.	12.

% ANTIMONY 564.1 KEV 0.0794

1301:	10.	22.	20.	18.	18.	15.	20.	22.	14.
1310:	14.	12.	17.	15.	22.	25.	18.	18.	22.
1319:	17.	14.	15.	18.	17.	20.	13.	16.	20.

% ARSENIC 657.4 KEV < 9.6820E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	303.	2220.	0.0037	0.0001	2.4
%-ANTIMONY	564.1	219.	17491.	0.0794	0.0006	0.8
%-ARSENIC	657.4	89.	16.	< 9.6820E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:27:16 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044G2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11140.00 UNITS: UG
 SAMPLE GEOMETRY: RT4.5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1822:54 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	57.	63.	50.	40.	47.	61.	60.	56.	68.
1018:	87.	122.	207.	280.	368.	449.	431.	460.	388.
1027:	305.	194.	124.	101.	69.	40.	54.	39.	49.

% COPPER 511.0 KEV 0.0039

1117:	79.	119.	137.	157.	140.	127.	142.	137.	311.
1126:	604.	1165.	2086.	3302.	3825.	3530.	2670.	1415.	590.
1135:	227.	58.	26.	12.	19.	17.	19.	33.	14.

% ANTIMONY 564.1 KEV 0.0784

1301:	13.	15.	25.	22.	25.	16.	18.	20.	14.
1310:	20.	18.	21.	26.	19.	26.	18.	37.	25.
1319:	24.	24.	17.	29.	21.	30.	10.	18.	11.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCEN FR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	302.	2379.	0.0039	0.0001	2.3
%-ANTIMONY	564.1	238.	17755.	0.0784	0.0006	0.8
%-ARSENIC	657.4	106.	-2. <	0.0010	NOT DETECTABLE	

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 XX
 XX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044G3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10989.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1833:14 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	49.	48.	52.	48.	65.	49.	61.	61.	66.
1018:	110.	144.	190.	260.	368.	446.	454.	412.	359.
1027:	275.	197.	94.	102.	62.	55.	48.	35.	30.

% COPPER 511.1 . 00 KEV 0 . 0039

1117:	69.	95.	129.	139.	174.	127.	103.	117.	258.
1126:	537.	1130.	2095.	3085.	3686.	3506.	2457.	1361.	623.
1135:	216.	54.	14.	32.	16.	19.	10.	17.	19.

% ANTIMONY 564.1 . 05 KEV 0 . 0767

1301:	22.	17.	14.	20.	9.	16.	18.	13.	20.
1310:	18.	15.	18.	18.	19.	18.	25.	24.	17.
1319:	16.	15.	16.	11.	15.	16.	16.	21.	13.

% ARSENIC 657.4 . 40 KEV < 0 . 0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	291.	2284.	0.0039	0.0001	2.4
%-ANTIMONY	564.1	224.	17096.	0.0767	0.0006	0.8
%-ARSENIC	657.4	78.	27.	< 9.0372E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:28:58 AM XXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 11:00:00
 SAMPLE IDENTIFICATION: Q1044H1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10315.00 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1843:28 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	19.	23.	21.	19.	30.	18.	20.	26.	26.
1018:	35.	44.	65.	93.	101.	142.	134.	146.	138.
1027:	79.	83.	51.	30.	25.	24.	14.	15.	16.

% COPPER 511.0 KEV 0.0013

1117:	20.	15.	21.	23.	25.	34.	23.	31.	44.
1126:	89.	188.	316.	469.	577.	563.	385.	226.	107.
1135:	44.	19.	15.	24.	16.	19.	23.	10.	15.

% ANTIMONY 564.0 KEV 0.0125

1301:	17.	16.	15.	15.	11.	15.	10.	9.	8.
1310:	15.	20.	17.	13.	9.	11.	11.	11.	23.
1319:	19.	15.	16.	11.	14.	8.	16.	8.	12.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	136.	697.	0.0013	0.0001	4.5
%-ANTIMONY	564.1	123.	2602.	0.0125	0.0003	2.1
%-ARSENIC	657.4	65.	6.	< 8.8754E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:29:50 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044M2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10416.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1853:42 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

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DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	27.	28.	22.	23.	23.	29.	25.	31.	33.
1018:	42.	47.	71.	99.	115.	139.	165.	166.	139.
1027:	90.	81.	30.	31.	33.	38.	20.	18.	27.

% COPPER 511.0 KEV 0.0014

1117:	22.	20.	22.	38.	15.	26.	31.	34.	38.
1126:	103.	189.	276.	476.	624.	565.	394.	219.	106.
1135:	39.	30.	24.	14.	14.	13.	15.	19.	20.

% ANTIMONY 564.1 KEV 0.0124

1301:	17.	17.	19.	19.	13.	25.	13.	16.	16.
1310:	16.	26.	18.	23.	15.	25.	14.	21.	17.
1319:	16.	22.	17.	13.	19.	23.	15.	9.	25.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	160.	753.	0.0014	0.0001	4.4
%-ANTIMONY	564.1	136.	2607.	0.0124	0.0003	2.1
%-ARSENIC	657.4	86.	12. <	0.0010	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:30:41 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044H3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10806.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1903:57 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMT: 85.00%
 *

XX

1009:	26.	29.	23.	19.	29.	30.	24.	14.	33.
1018:	46.	56.	66.	74.	105.	148.	158.	138.	147.
1027:	100.	82.	60.	31.	37.	35.	26.	20.	27.

% COPPER 511.0 KEV 0.0013

1117:	101.	177.	239.	315.	287.	237.	148.	88.	93.
1126:	106.	187.	349.	494.	609.	556.	411.	266.	109.
1135:	57.	21.	18.	17.	18.	16.	12.	26.	23.

% ANTIMONY 564.0 KEV 0.0126

1301:	24.	18.	17.	18.	10.	18.	12.	13.	19.
1310:	21.	29.	25.	32.	22.	36.	48.	45.	42.
1319:	32.	21.	14.	7.	14.	14.	21.	16.	12.

% ARSENIC 657.4 KEV 0.0025

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	152.	718.	0.0013	0.0001	4.5
%-ANTIMONY	564.1	137.	2736.	0.0126	0.0003	2.0
%-ARSENIC	657.4	77.	117.	0.0025	0.0004	14.1

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:31:32 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: U104411
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10982.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1914:11 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	22.	12.	22.	19.	16.	18.	18.	23.	23.
1018:	32.	48.	57.	85.	130.	134.	167.	131.	129.
1027:	113.	58.	46.	28.	22.	27.	18.	22.	24.

% COPPER 511.1 + 0.0 KEV 0.0013

1117:	24.	27.	20.	12.	21.	27.	24.	30.	66.
1126:	109.	257.	429.	686.	753.	733.	555.	304.	171.
1135:	66.	19.	16.	16.	20.	9.	19.	14.	15.

% ANTIMONY 564.1 + 0.5 KEV 0.0163

1301:	19.	8.	5.	14.	15.	12.	11.	11.	16.
1310:	14.	4.	5.	13.	10.	5.	9.	10.	9.
1319:	10.	16.	14.	14.	8.	14.	7.	16.	10.

% ARSENIC 657.4 + 0.0 KEV < 0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	118.	771.	0.0013	0.0001	4.1
%-ANTIMONY	564.1	103.	3614.	0.0163	0.0003	1.7
%-ARSENIC	657.4	57.	-10.	< 7.9448E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:32:23 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044I2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11330.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 1924:26 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	16.	25.	23.	25.	21.	19.	24.	25.	21.
1018:	45.	43.	65.	88.	129.	142.	150.	153.	143.
1027:	83.	68.	50.	26.	27.	25.	13.	13.	15.

% COPPER 551.1 . 0.0 KEV 0 . 0.0 1.3

1117:	26.	20.	18.	28.	17.	22.	22.	41.	60.
1126:	136.	262.	463.	745.	860.	840.	595.	345.	167.
1135:	53.	26.	11.	11.	13.	13.	9.	22.	12.

% ANTIMONY 564 . 0.0 KEV 0 . 0.0 1.3

1301:	14.	8.	10.	11.	10.	14.	10.	17.	12.
1310:	7.	5.	16.	10.	12.	16.	12.	14.	9.
1319:	6.	10.	15.	7.	8.	9.	9.	8.	10.

% ARSENIC 657 . 4.0 KEV < 0 . 0.0 0.7

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	120.	768.	0.0013	0.0001	4.1
%-ANTIMONY	564.1	90.	4020.	0.0177	0.0003	1.6
%-ARSENIC	657.4	47.	19.	< 7.1042E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:33:15 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044I3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11422.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1934:39 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	15.	20.	19.	20.	15.	26.	23.	31.	38.
1018:	42.	54.	100.	113.	147.	170.	207.	182.	140.
1027:	113.	86.	65.	37.	34.	32.	22.	20.	12.

% COPPER 511.0 KEV 0.0016

1117:	21.	16.	19.	21.	26.	20.	25.	47.	74.
1126:	109.	227.	468.	688.	833.	779.	625.	319.	135.
1135:	59.	19.	20.	14.	5.	9.	12.	11.	13.

% ANTIMONY 564.1 KEV <0.0003

1301:	11.	9.	9.	14.	8.	12.	6.	7.	13.
1310:	15.	9.	9.	17.	8.	13.	15.	6.	14.
1319:	15.	12.	10.	13.	11.	10.	12.	9.	11.

% ARSENIC 657.4 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	135.	937.	0.0016	0.0001	3.7
%-ANTIMONY	564.1	96.	3843.	0.0168	0.0003	1.7
%-ARSENIC	657.4	54.	9.	< 7.5152E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:34:06 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044J1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10608.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1944:54 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	64.	71.	54.	60.	68.	53.	51.	61.	72.
1018:	105.	151.	222.	311.	399.	516.	501.	513.	447.
1027:	308.	233.	137.	98.	80.	57.	38.	52.	51.

% COPPER 511.0 KEV 0.0049

1117:	89.	117.	145.	169.	193.	179.	168.	205.	334.
1126:	700.	1446.	2599.	4019.	4921.	4580.	3326.	1867.	828.
1135:	284.	75.	25.	14.	15.	15.	15.	20.	12.

% ANTIMONY 564.1 KEV 0.1059

1301:	23.	22.	17.	18.	26.	17.	18.	15.	15.
1310:	20.	23.	12.	14.	16.	23.	27.	27.	16.
1319:	21.	21.	17.	15.	15.	21.	16.	18.	11.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	344.	2651.	0.0049	0.0001	2.2
%-ANTIMONY	564.1	256.	22503.	0.1059	0.0007	0.7
%-ARSENIC	657.4	93.	17. <	0.0010	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:34:57 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044J2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10568.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1955:09 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	52.	53.	50.	50.	57.	50.	55.	60.	95.
1018:	98.	173.	215.	281.	355.	505.	510.	504.	399.
1027:	319.	205.	158.	95.	66.	70.	49.	42.	56.

% COPPER 511.0 KEV 0.0048

1117:	92.	125.	149.	158.	186.	156.	175.	216.	365.
1126:	696.	1369.	2563.	3876.	4736.	4443.	3337.	1823.	750.
1135:	259.	76.	21.	18.	23.	22.	19.	19.	17.

% ANTIMONY 564.1 KEV 0.1036

1301:	14.	17.	17.	18.	15.	15.	10.	19.	24.
1310:	15.	17.	19.	20.	23.	18.	23.	19.	23.
1319:	11.	15.	14.	11.	19.	14.	15.	15.	14.

% ARSENIC 657.4 KEV < 9.7709E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	313.	2560.	0.0048	0.0001	2.2
%-ANTIMONY	564.1	260.	21887.	0.1036	0.0007	0.7
%-ARSENIC	657.4	78.	28.	< 9.7709E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:35:48 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044J3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11043.00 UNITS: UG
 SAMPLE GEOMETRY: KT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 2005:23 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	81.	46.	49.	59.	61.	57.	57.	61.	87.
1018:	110.	165.	202.	333.	392.	477.	547.	528.	421.
1027:	348.	213.	139.	105.	53.	53.	50.	41.	41.

% COPPER 511.0 KEV 0.0050

1117:	73.	105.	173.	179.	176.	182.	181.	208.	328.
1126:	695.	1562.	2766.	4056.	4987.	4653.	3413.	1899.	840.
1135:	281.	105.	19.	19.	21.	22.	18.	29.	15.

% ANTIMONY 564.1 KEV 0.1047

1301:	10.	22.	14.	20.	13.	21.	10.	19.	19.
1310:	11.	17.	23.	25.	21.	29.	26.	29.	21.
1319:	13.	18.	22.	17.	20.	9.	9.	19.	16.

% ARSENIC 657.4 KEV 0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	326.	2720.	0.0050	0.0001	2.2
%-ANTIMONY	564.1	275.	23061.	0.1047	0.0007	0.7
%-ARSENIC	657.4	82.	48.	0.0010	0.0003	30.4

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:36:40 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044K1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9649.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2015:38 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	23.	26.	32.	31.	29.	36.	44.	38.	38.
1018:	56.	68.	124.	127.	182.	245.	288.	249.	218.
1027:	151.	116.	80.	46.	40.	27.	24.	24.	24.

% COPPER: 511.0 KEV 0.0027

1117:	41.	40.	45.	48.	50.	50.	63.	106.	155.
1126:	286.	652.	1172.	1733.	2124.	1977.	1532.	861.	373.
1135:	129.	37.	16.	13.	18.	10.	10.	16.	14.

% ANTIMONY: 564.0 KEV 0.0516

1301:	15.	12.	8.	17.	10.	13.	14.	11.	9.
1310:	7.	15.	7.	12.	7.	11.	14.	9.	12.
1319:	13.	12.	9.	10.	11.	10.	14.	11.	12.

% ARSENIC: 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	183.	1277.	0.0027	0.0001	3.2
%-ANTIMONY	564.1	144.	9907.	0.0516	0.0005	1.0
%-ARSENIC	657.4	58.	-10.	< 9.4034E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:37:31 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 11:00:00
 SAMPLE IDENTIFICATION: Q1044K2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9865.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 2025:52 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	22.	15.	19.	28.	32.	21.	26.	30.	31.
1018:	35.	51.	84.	94.	142.	166.	181.	183.	154.
1027:	128.	79.	71.	33.	27.	27.	20.	23.	18.

% COPPER 511.1 + 0.0 KEV 0 + 0.015

1117:	23.	32.	21.	18.	20.	31.	40.	44.	60.
1126:	133.	250.	455.	691.	828.	793.	630.	358.	137.
1135:	71.	26.	16.	14.	13.	13.	10.	12.	7.

% ANTIMONY 564.1 + 0.0 KEV 0 + 0.015

1301:	14.	11.	9.	11.	14.	16.	13.	13.	12.
1310:	11.	17.	12.	14.	14.	14.	6.	12.	14.
1319:	22.	19.	15.	13.	9.	11.	11.	15.	7.

% ARSENIC 657.4 + 0.0 KEV < 0 + 0.005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	151.	897.	0.0019	0.0001	3.9
%-ANTIMONY	564.1	126.	3879.	0.0198	0.0003	1.7
%-ARSENIC	657.4	60.	8.	< 9.3836E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:38:22 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044K3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8962.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2036:07 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	24.	19.	27.	19.	23.	25.	28.	23.	31.
1018:	28.	50.	74.	99.	122.	155.	158.	194.	141.
1027:	98.	74.	51.	28.	20.	20.	23.	17.	14.

% COPPER 511.0 KEV 0.0019

1117:	24.	31.	18.	30.	36.	25.	41.	41.	61.
1126:	138.	262.	543.	825.	936.	877.	684.	402.	185.
1135:	60.	28.	19.	11.	13.	11.	21.	15.	24.

% ANTIMONY 564.0 KEV 0.0248

1301:	13.	14.	10.	11.	6.	10.	15.	11.	14.
1310:	9.	9.	14.	18.	10.	16.	20.	12.	8.
1319:	11.	8.	12.	18.	12.	15.	13.	11.	11.

% ARSENIC 657.4 KEV < 0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	149.	818.	0.0019	0.0001	4.1
%-ANTIMONY	564.1	116.	4413.	0.0248	0.0004	1.6
%-ARSENIC	657.4	60.	18. <	0.0010	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:39:13 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044L1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10568.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2046:21 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	23.	32.	30.	39.	40.	27.	31.	35.	50.
1018:	59.	71.	98.	158.	196.	227.	265.	267.	204.
1027:	180.	125.	81.	45.	44.	24.	34.	27.	23.

% COPPER 511.0 KEV 0.0025

1117:	44.	56.	70.	66.	81.	72.	61.	75.	143.
1126:	274.	656.	1133.	1691.	2065.	1949.	1445.	844.	363.
1135:	123.	47.	20.	13.	19.	11.	13.	10.	14.

% ANTIMONY 564.1 KEV 0.0450

1301:	10.	12.	15.	11.	15.	10.	11.	11.	11.
1310:	11.	10.	12.	15.	16.	10.	21.	11.	15.
1319:	20.	18.	11.	7.	10.	10.	16.	7.	17.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	192.	1305.	0.0026	0.0001	3.2
%-ANTIMONY	564.1	151.	9632.	0.0460	0.0005	1.1
%-ARSENIC	657.4	57.	18.	< 8.5971E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:40:04 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044L2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10029.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2056:34 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	25.	26.	24.	34.	33.	46.	33.	37.	49.
1018:	51.	85.	91.	156.	213.	231.	258.	234.	209.
1027:	146.	114.	81.	55.	45.	30.	24.	20.	21.

% COPPER 511.1 + 0.0 KEV 0.0026

1117:	41.	41.	57.	75.	69.	75.	72.	71.	103.
1126:	266.	573.	1053.	1487.	1897.	1835.	1301.	772.	327.
1135:	122.	40.	24.	16.	19.	12.	19.	19.	23.

% ANTIMONY 564.1 + 0.5 KEV 0.0443

1301:	14.	11.	14.	11.	13.	9.	16.	19.	14.
1310:	15.	19.	16.	11.	19.	19.	14.	17.	22.
1319:	24.	17.	9.	14.	11.	19.	13.	11.	18.

% ARSENIC 657.4 + 0.0 KEV < 9.5724E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	225.	1222.	0.0026	0.0001	3.4
%-ANTIMONY	564.1	139.	8779.	0.0443	0.0005	1.1
%-ARSENIC	657.4	63.	17.	< 9.5724E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:40:55 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044L3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10385.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2106:49 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	27.	33.	24.	34.	34.	31.	35.	51.	39.
1018:	55.	87.	141.	140.	213.	255.	294.	289.	223.
1027:	174.	123.	90.	69.	44.	33.	30.	30.	37.

% COPPER 511.0 KEV 0.0028

1117:	43.	50.	55.	59.	75.	71.	72.	98.	134.
1126:	267.	602.	1050.	1643.	2022.	1983.	1465.	807.	352.
1135:	137.	56.	22.	14.	14.	22.	16.	14.	18.

% ANTIMONY 564.1 KEV 0.0458

1301:	16.	14.	19.	16.	17.	13.	24.	9.	8.
1310:	14.	16.	12.	15.	25.	15.	11.	19.	20.
1319:	8.	10.	17.	14.	15.	17.	14.	19.	8.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	217.	1371.	0.0028	0.0001	3.1
%-ANTIMONY	564.1	179.	9393.	0.0458	0.0005	1.1
%-ARSENIC	657.4	79.	3. <	0.0010	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:41:46 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044M1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9427.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2117:03 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY: N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	18.	14.	16.	22.	12.	10.	18.	17.	16.
1018:	33.	33.	36.	68.	88.	111.	124.	118.	110.
1027:	80.	47.	37.	23.	18.	14.	10.	15.	9.

% COPPER 511.0 KEV 0.0013

1117:	19.	11.	10.	15.	16.	11.	17.	23.	46.
1126:	84.	158.	303.	495.	615.	600.	447.	256.	109.
1135:	44.	15.	8.	10.	8.	14.	10.	12.	8.

% ANTIMONY 564.1 KEV 0.0151

1301:	12.	9.	11.	8.	10.	9.	11.	10.	7.
1310:	8.	11.	13.	6.	9.	14.	10.	14.	8.
1319:	14.	8.	6.	5.	8.	6.	8.	12.	10.

% ARSENIC 657.4 KEV < 8.6115E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	113.	586.	0.0013	0.0001	4.9
%-ANTIMONY	564.1	75.	2799.	0.0151	0.0003	1.9
%-ARSENIC	657.4	43.	4.	< 8.6115E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:42:38 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044M2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9076.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2127:14 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	20.	14.	21.	18.	14.	18.	19.	23.	20.
1018:	23.	37.	48.	55.	84.	113.	131.	109.	109.
1027:	94.	50.	43.	29.	14.	15.	15.	16.	15.

% COPPER 511.1 + 0.0 KEV 0 + 0.01.4

1117:	15.	10.	15.	26.	16.	29.	20.	43.	43.
1126:	77.	170.	350.	493.	599.	615.	441.	284.	112.
1135:	35.	15.	5.	3.	8.	8.	9.	7.	8.

% ANTIMONY 564.1 + 0.0 KEV 0 + 0.01.51

1301:	14.	8.	10.	9.	12.	10.	12.	17.	10.
1310:	9.	8.	13.	5.	5.	12.	8.	7.	6.
1319:	9.	9.	7.	12.	12.	11.	7.	13.	11.

% ARSENIC 657.4 + 0.0 KEV < 0 + 0.01.0

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	103.	592.	0.0014	0.0001	4.8
%-ANTIMONY	564.1	81.	2871.	0.0161	0.0003	1.9
%-ARSENIC	657.4	52.	-12.	< 9.8072E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:43:29 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044M3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9739.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2137:24 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	12.	12.	16.	17.	19.	24.	18.	22.	25.
1018:	37.	51.	91.	144.	179.	223.	253.	254.	185.
1027:	150.	91.	68.	39.	31.	15.	13.	17.	19.

% COPPER 511.0 0.0028 0.0028

1117:	16.	14.	17.	16.	27.	24.	27.	25.	61.
1126:	85.	171.	349.	533.	649.	612.	462.	260.	119.
1135:	52.	23.	11.	8.	9.	9.	16.	13.	8.

% ANTIMONY 564.0 0.0153 0.0153

1301:	10.	4.	10.	8.	10.	16.	7.	15.	10.
1310:	8.	8.	8.	6.	16.	12.	9.	9.	13.
1319:	13.	10.	9.	14.	14.	8.	9.	12.	10.

% ARSENIC 657.4 0.0003 <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	122.	1266.	0.0028	0.0001	3.1
%-ANTIMONY	564.1	103.	2933.	0.0153	0.0003	1.9
%-ARSENIC	657.4	53.	7.	< 9.2212E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:44:20 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044N1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8989.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2147:39 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	22.	12.	18.	16.	17.	16.	23.	17.	19.
1018:	26.	31.	47.	76.	93.	121.	124.	124.	107.
1027:	70.	45.	28.	27.	19.	15.	13.	19.	17.

% COPPER 511.1 ± 0.0 KEV 0.0015

1117:	22.	10.	17.	20.	11.	20.	20.	33.	48.
1126:	94.	166.	313.	469.	615.	586.	430.	255.	119.
1135:	50.	14.	12.	6.	13.	7.	7.	8.	9.

% ANTIMONY 564.1 ± 0.5 KEV 0.0156

1301:	6.	7.	7.	7.	8.	13.	4.	13.	13.
1310:	11.	7.	10.	7.	3.	7.	5.	6.	16.
1319:	11.	7.	14.	8.	10.	9.	9.	4.	7.

% ARSENIC 657.4 ± 0.5 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	95.	621.	0.0015	0.0001	4.6
%-ANTIMONY	564.1	85.	2749.	0.0156	0.0003	2.0
%-ARSENIC	657.4	41.	-7.	< 8.9555E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:45:11 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044N2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8042.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 2157:50 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10,
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	8.	13.	15.	14.	18.	20.	14.	20.	17.
1018:	34.	30.	50.	69.	91.	104.	108.	113.	89.
1027:	69.	45.	29.	14.	18.	15.	14.	15.	16.

% COPPER 511.1 - 100 KEV 0.0015

1117:	15.	13.	12.	17.	15.	19.	15.	30.	45.
1126:	82.	156.	267.	425.	517.	516.	380.	203.	112.
1135:	51.	19.	13.	11.	11.	11.	12.	6.	8.

% ANTIMONY 564.1 - 100 KEV 0.0152

1301:	11.	5.	11.	12.	5.	17.	6.	12.	12.
1310:	5.	10.	16.	14.	17.	6.	12.	7.	12.
1319:	9.	9.	8.	13.	10.	8.	6.	9.	6.

% ARSENIC 657.4 - 40 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	99.	544.	0.0015	0.0001	5.0
%-ANTIMONY	564.1	77.	2387.	0.0152	0.0003	2.1
%-ARSENIC	657.4	48.	17. <	0.0011	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:46:02 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044N3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9230.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2208:04 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	12.	15.	12.	13.	13.	13.	8.	22.	23.
1018:	27.	41.	49.	58.	83.	96.	134.	99.	108.
1027:	82.	51.	30.	32.	26.	15.	13.	16.	18.

% COPPER 511.0 KEV 0.0014

1117:	14.	17.	14.	13.	18.	18.	17.	32.	40.
1126:	114.	172.	319.	475.	595.	606.	442.	257.	102.
1135:	49.	18.	10.	9.	12.	6.	8.	3.	4.

% ANTIMONY 564.1 KEV 0.0154

1301:	6.	6.	14.	13.	14.	13.	12.	5.	7.
1310:	5.	14.	7.	11.	9.	12.	10.	4.	6.
1319:	5.	13.	9.	6.	13.	8.	6.	6.	5.

% ARSENIC 657.4 KEV < 9.5970E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	83.	577.	0.0014	0.0001	4.7
%-ANTIMONY	564.1	90.	2776.	0.0154	0.0003	2.0
%-ARSENIC	657.4	50.	-2.	< 9.5970E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:46:53 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q104401
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9020.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2218:18 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	22.	16.	19.	14.	15.	10.	18.	19.	20.
1018:	23.	42.	66.	74.	121.	126.	157.	122.	128.
1027:	72.	62.	36.	32.	22.	22.	17.	9.	12.

% COPPER 511.0 KEV 0.0018

1117:	14.	18.	10.	19.	21.	23.	26.	26.	36.
1126:	82.	173.	303.	497.	557.	533.	393.	235.	87.
1135:	36.	15.	9.	7.	7.	15.	11.	8.	12.

% ANTIMONY 564.1 KEV 0.0149

1301:	10.	5.	7.	10.	4.	12.	8.	5.	10.
1310:	7.	11.	8.	6.	5.	14.	10.	11.	6.
1319:	5.	10.	7.	5.	6.	5.	5.	10.	8.

% ARSENIC 657.4 KEV <0.0003

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	85.	715.	0.0018	0.0001	4.2
%-ANTIMONY	564.1	78.	2613.	0.0149	0.0003	2.0
%-ARSENIC	657.4	35.	2.	< 8.3601E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:47:45 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q104402
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 5272.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2228:31 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	12.	14.	8.	13.	15.	23.	18.	26.	16.
1018:	24.	32.	28.	43.	54.	73.	77.	80.	73.
1027:	37.	43.	26.	21.	19.	19.	6.	15.	12.

% COPPER 511.0 - 100 KEV 0.0014

1117:	17.	15.	14.	16.	17.	19.	12.	19.	34.
1126:	54.	111.	198.	277.	347.	339.	268.	158.	67.
1135:	30.	22.	11.	10.	12.	9.	10.	12.	14.

% ANTIMONY 564.1 - 100 KEV 0.0156

1301:	10.	10.	10.	7.	13.	12.	15.	10.	14.
1310:	10.	6.	16.	10.	7.	5.	11.	9.	12.
1319:	11.	13.	13.	10.	12.	15.	14.	16.	13.

% ARSENIC 657.4 - 100 KEV <0.0018

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	104.	333.	0.0014	0.0001	7.0
%-ANTIMONY	564.1	93.	1605.	0.0156	0.0004	2.6
%-ARSENIC	657.4	60.	-11. <	0.0018	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:48:36 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q104403
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8864.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2238:46 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	7.	21.	10.	17.	11.	13.	21.	8.	19.
1018:	26.	29.	36.	59.	75.	91.	74.	92.	92.
1027:	64.	42.	26.	19.	20.	19.	10.	10.	12.

% COPPER 511.1 + 0.0 KEV 0.0012

1117:	16.	17.	19.	14.	14.	15.	17.	25.	49.
1126:	65.	139.	257.	430.	491.	488.	377.	199.	91.
1135:	36.	12.	10.	11.	19.	4.	11.	5.	9.

% ANTIMONY 564.1 + 0.5 KEV 0.0135

1301:	13.	12.	10.	7.	10.	6.	9.	6.	8.
1310:	7.	8.	3.	6.	7.	9.	7.	8.	2.
1319:	7.	8.	5.	7.	7.	8.	7.	6.	10.

% ARSENIC 657.4 + 0.0 KEV < 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	91.	456.	0.0012	0.0001	5.5
%-ANTIMONY	564.1	60.	2321.	0.0135	0.0003	2.1
%-ARSENIC	657.4	40.	-9. < 9.1835E-04		NOT DETECTABLE	

XX

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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
SAMPLE IDENTIFICATION: Q1044P1
TYPE OF SAMPLE: UNKNOWN
SAMPLE QUANTITY: 7454.000 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2248:57 * FWHM(1332) 3.114
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER: 10.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
*
XX

1009: 11. 15. 9. 13. 7. 13. 14. 11. 11.
1018: 25. 24. 34. 64. 80. 92. 92. 97. 80.
1027: 51. 44. 34. 29. 22. 8. 21. 10. 7.

% COPPER 511.1 - 1011 KEV 10 - 1011.4

1117: 15. 18. 19. 17. 16. 22. 17. 11. 35.
1126: 57. 119. 228. 391. 443. 425. 308. 190. 96.
1135: 38. 16. 15. 12. 13. 9. 11. 12. 7.

% ANTIMONY 564.1 - 1011 KEV 10 - 1011.4

1301: 8. 12. 11. 13. 9. 11. 12. 10. 5.
1310: 7. 11. 7. 12. 18. 8. 8. 11. 10.
1319: 11. 7. 12. 8. 11. 12. 7. 11. 11.

% ARSENIC 657.4 - 1011 KEV 10 - 1011.4

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	98.	458.	0.0014	0.0001	5.6
%-ANTIMONY	564.1	90.	2014.	0.0139	0.0003	2.3
%-ARSENIC	657.4	53.	2. <	0.0012	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:50:18 AM XXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044P2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7372.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 20JUN80 2259:11 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	13.	19.	24.	8.	17.	15.	22.	21.	20.
1018:	25.	39.	57.	74.	90.	102.	107.	101.	94.
1027:	66.	53.	37.	24.	19.	14.	12.	18.	13.

% COPPER 511.1 + 0.0 KEV 0 + 0.0115

1117:	16.	16.	9.	19.	20.	18.	19.	32.	39.
1126:	65.	118.	254.	417.	463.	463.	318.	171.	93.
1135:	33.	23.	19.	20.	14.	15.	16.	10.	16.

% ANTIMONY 564.1 + 0.0 KEV 0 + 0.0117

1301:	15.	10.	15.	22.	15.	16.	16.	14.	14.
1310:	16.	11.	14.	17.	7.	19.	10.	13.	15.
1319:	24.	15.	15.	15.	15.	7.	15.	11.	10.

% ARSENIC 657.4 + 0.0 KEV <0.0 + 0.0114

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	121.	513.	0.0016	0.0001	5.4
%-ANTIMONY	564.1	106.	2098.	0.0147	0.0003	2.3
%-ARSENIC	657.4	71.	-6. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:51:09 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044P3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7108.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2309:24 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	21.	23.	20.	23.	15.	23.	12.	23.	15.
1018:	26.	30.	41.	73.	96.	106.	108.	88.	89.
1027:	58.	45.	37.	27.	21.	13.	19.	17.	21.

% COPPER 511.0 KEV 0.0017

1117:	9.	19.	17.	18.	14.	19.	14.	22.	36.
1126:	75.	138.	214.	336.	395.	386.	293.	162.	86.
1135:	36.	16.	9.	11.	17.	11.	13.	11.	11.

% ANTIMONY 564.1 KEV 0.0133

1301:	11.	13.	9.	12.	10.	16.	12.	18.	15.
1310:	9.	16.	9.	13.	13.	15.	11.	14.	7.
1319:	14.	16.	20.	12.	11.	8.	11.	14.	11.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCEN TR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	106.	512.	0.0017	0.0001	5.3
%-ANTIMONY	564.1	95.	1829.	0.0133	0.0003	2.5
%-ARSENIC	657.4	58.	2. <	0.0014	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:52:00 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044Q1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9059.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2319:39 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	41.	30.	24.	38.	38.	23.	43.	47.	61.
1018:	65.	102.	147.	175.	249.	304.	340.	308.	267.
1027:	175.	123.	91.	60.	35.	50.	27.	29.	40.

% COPPER 511.0 KEV 0.0042

1117:	49.	65.	101.	91.	101.	103.	105.	133.	227.
1126:	508.	986.	1772.	2760.	3373.	3181.	2333.	1231.	569.
1135:	207.	70.	21.	17.	5.	11.	10.	15.	12.

% ANTIMONY 564.1 KEV 0.0885

1301:	16.	11.	7.	9.	9.	15.	4.	13.	13.
1310:	16.	12.	10.	18.	20.	17.	12.	18.	16.
1319:	7.	10.	11.	7.	13.	11.	5.	13.	16.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	230.	1588.	0.0042	0.0001	2.9
%-ANTIMONY	564.1	186.	15450.	0.0885	0.0007	0.8
%-ARSENIC	657.4	50.	26. <	0.0010	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:52:51 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044Q2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8408.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2329:54 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: .85.00%

XX

1009:	28.	33.	42.	23.	36.	39.	52.	41.	47.
1018:	73.	92.	91.	165.	199.	272.	302.	268.	238.
1027:	175.	144.	87.	49.	48.	29.	33.	35.	30.

% COPPER 511.1 . 0.0 KEV 0 . 0.0 #1.0

1117:	52.	67.	92.	88.	102.	102.	86.	134.	192.
1126:	491.	895.	1711.	2514.	3085.	2919.	2148.	1262.	521.
1135:	185.	55.	25.	10.	11.	13.	8.	12.	10.

% ANTIMONY 564.1 . 0.5 KEV 0 . 0.0 #1.0

1301:	11.	13.	5.	11.	16.	12.	8.	8.	10.
1310:	6.	8.	8.	17.	7.	15.	14.	11.	14.
1319:	16.	9.	12.	11.	11.	12.	8.	13.	6.

% ARSENIC 657.4 . 4.0 KEV <0 . 0.0 #1.2

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	228.	1392.	0.0040	0.0001	3.1
%-ANTIMONY	564.1	174.	14360.	0.0888	0.0008	0.9
%-ARSENIC	657.4	56.	8. <	0.0012	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:53:42 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044Q3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9211.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2340:09 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	36.	33.	38.	36.	31.	37.	38.	32.	55.
1018:	67.	98.	115.	177.	289.	290.	336.	329.	223.
1027:	189.	120.	101.	58.	53.	32.	33.	25.	34.

% COPPER 511.0 KEV 0.0043

1117:	58.	77.	82.	134.	143.	111.	98.	135.	228.
1126:	493.	984.	1862.	2798.	3419.	3374.	2423.	1275.	594.
1135:	181.	43.	18.	14.	10.	15.	15.	13.	18.

% ANTIMONY 564.1 KEV 0.0010

1301:	16.	13.	6.	13.	10.	10.	12.	13.	10.
1310:	14.	16.	9.	4.	10.	12.	21.	11.	13.
1319:	8.	12.	12.	10.	12.	11.	10.	10.	11.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	221.	1612.	0.0043	0.0001	2.8
%-ANTIMONY	564.1	188.	15947.	0.0901	0.0007	0.8
%-ARSENIC	657.4	53.	15. <	0.0010	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:54:34 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044R1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8686.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2350:24 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	51.	45.	41.	56.	47.	43.	43.	38.	62.
1018:	66.	122.	152.	222.	242.	362.	399.	378.	326.
1027:	225.	155.	112.	99.	55.	59.	34.	41.	50.

% COPPER 511.0 KEV 0.0053

1117:	62.	121.	122.	144.	164.	134.	161.	174.	309.
1126:	620.	1278.	2374.	3511.	4217.	4058.	2954.	1641.	678.
1135:	229.	77.	16.	18.	13.	11.	17.	11.	12.

% ANTIMONY 564.0 KEV 0.1191

1301:	15.	13.	6.	13.	12.	9.	11.	12.	8.
1310:	15.	12.	15.	11.	22.	21.	17.	16.	17.
1319:	15.	16.	10.	11.	11.	11.	11.	13.	14.

% ARSENIC 657.4 KEV 0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	290.	1864.	0.0053	0.0001	2.7
%-ANTIMONY	564.1	200.	19833.	0.1191	0.0009	0.7
%-ARSENIC	657.4	55.	38.	0.0011	0.0004	32.0

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:55:25 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044R2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8528.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 0:39 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	52.	54.	52.	35.	53.	45.	37.	50.	67.
1018:	103.	111.	163.	256.	312.	356.	399.	367.	320.
1027:	238.	187.	101.	74.	62.	36.	36.	38.	32.

% COPPER 511.1 KEV 0.0057

1117:	93.	117.	134.	142.	154.	129.	155.	172.	285.
1126:	617.	1270.	2348.	3493.	4317.	4030.	2952.	1624.	685.
1135:	237.	80.	31.	14.	10.	15.	20.	23.	17.

% ANTIMONY 564.1 KEV 0.1214

1301:	13.	12.	11.	18.	14.	22.	13.	17.	15.
1310:	15.	18.	15.	17.	13.	23.	26.	14.	15.
1319:	29.	16.	18.	7.	9.	17.	16.	10.	19.

% ARSENIC 657.4 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	300.	1948.	0.0057	0.0001	2.6
%-ANTIMONY	564.1	221.	19813.	0.1214	0.0009	0.7
%-ARSENIC	657.4	68.	26. <	0.0013	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:56:16 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044R3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9289.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 10:53 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	58.	51.	50.	55.	60.	46.	52.	62.	66.
1018:	94.	139.	184.	250.	335.	398.	407.	454.	352.
1027:	254.	188.	115.	95.	55.	56.	53.	36.	32.

% COPPER: 511.0 KEV 0.0058

1117:	90.	112.	130.	147.	188.	132.	166.	199.	310.
1126:	677.	1257.	2520.	3837.	4688.	4452.	3152.	1767.	767.
1135:	284.	78.	21.	27.	9.	24.	11.	17.	18.

% ANTIMONY: 564.1 KEV 0.1208

1301:	9.	13.	17.	10.	14.	9.	12.	11.	10.
1310:	10.	13.	16.	20.	20.	23.	25.	16.	27.
1319:	19.	16.	12.	12.	14.	14.	14.	9.	7.

% ARSENIC: 657.4 KEV 0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	319.	2131.	0.0058	0.0001	2.5
%-ANTIMONY	564.1	233.	21440.	0.1208	0.0009	0.7
%-ARSENIC	657.4	63.	48.	0.0014	0.0004	27.5

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:57:07 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044S1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7586.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 21:08 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	40.	25.	40.	31.	25.	34.	46.	41.	50.
1018:	49.	78.	137.	144.	235.	252.	277.	254.	230.
1027:	168.	119.	88.	55.	34.	33.	31.	33.	20.

% COPPER 511.0 KEV 0.0046

1117:	53.	55.	105.	109.	103.	91.	89.	114.	206.
1126:	381.	814.	1546.	2432.	2940.	2746.	2038.	1147.	492.
1135:	166.	41.	18.	13.	6.	12.	15.	13.	7.

% ANTIMONY 564.0 KEV 0.0933

1301:	9.	11.	8.	8.	9.	14.	6.	11.	8.
1310:	13.	9.	12.	20.	11.	16.	15.	13.	10.
1319:	16.	11.	10.	8.	12.	5.	10.	7.	9.

% ARSENIC 657.4 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	194.	1366.	0.0046	0.0001	3.1
%-ANTIMONY	564.1	163.	13500.	0.0933	0.0008	0.9
%-ARSENIC	657.4	46.	29. <	0.0012	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:57:58 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044S2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10497.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 31:22 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	52.	48.	53.	55.	45.	55.	46.	61.	71.
1018:	81.	102.	178.	224.	322.	336.	390.	357.	359.
1027:	230.	165.	115.	66.	52.	46.	51.	42.	31.

% COPPER 511.1 + 0.0 KEV 0 + 0.047

1117:	81.	114.	125.	121.	152.	141.	131.	162.	284.
1126:	587.	1179.	2175.	3329.	3984.	3776.	2735.	1553.	649.
1135:	202.	57.	30.	16.	19.	12.	14.	15.	19.

% ANTIMONY 564.1 + 0.0 KEV 0 + 0.027

1301:	13.	17.	17.	11.	8.	16.	16.	10.	14.
1310:	13.	13.	18.	17.	19.	27.	26.	29.	30.
1319:	20.	15.	19.	17.	15.	15.	13.	12.	13.

% ARSENIC 657.4 + 0.0 KEV 0 + 0.015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	302.	1916.	0.0047	0.0001	2.6
%-ANTIMONY	564.1	217.	18514.	0.0927	0.0007	0.8
%-ARSENIC	657.4	71.	61.	0.0015	0.0004	23.5

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:58:49 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 11:00:00
 SAMPLE IDENTIFICATION: Q104493
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10460.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 41:36 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	47.	50.	43.	48.	41.	56.	44.	64.	68.
1018:	99.	120.	161.	234.	290.	350.	388.	420.	311.
1027:	247.	167.	110.	67.	52.	41.	47.	32.	37.

% COPPER 511.0 KEV 0.0048

1117:	86.	79.	135.	165.	153.	148.	132.	191.	286.
1126:	572.	1199.	2351.	3503.	4108.	4049.	2788.	1625.	6/3.
1135:	227.	80.	24.	13.	14.	14.	16.	18.	9.

% ANTIMONY 564.0 KEV 0.0077

1301:	12.	12.	10.	7.	11.	8.	16.	7.	17.
1310:	10.	9.	10.	14.	8.	12.	23.	23.	18.
1319:	14.	10.	17.	17.	12.	10.	8.	9.	14.

% ARSENIC 657.4 KEV < 9.2679E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	282.	1958.	0.0048	0.0001	2.6
%-ANTIMONY	564.1	214.	19410.	0.0077	0.0007	0.7
%-ARSENIC	657.4	52.	32.	< 9.2679E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 8:59:40 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044T1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10318.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 51:50 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	17.	15.	16.	15.	14.	17.	16.	16.	26.
1018:	34.	50.	58.	91.	122.	159.	146.	145.	107.
1027:	92.	67.	41.	34.	22.	18.	23.	16.	23.

% COPPER 511.1 - 10 KEV 0.0019

1117:	23.	22.	15.	23.	29.	21.	31.	31.	67.
1126:	116.	260.	363.	628.	721.	736.	528.	331.	127.
1135:	55.	21.	18.	15.	18.	10.	10.	11.	14.

% ANTIMONY 564.1 - 10 KEV 0.0177

1301:	9.	18.	8.	17.	10.	11.	11.	15.	13.
1310:	19.	12.	7.	16.	8.	20.	12.	10.	14.
1319:	13.	14.	6.	12.	10.	15.	9.	18.	8.

% ARSENIC 657.4 - 10 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	120.	742.	0.0019	0.0001	4.2
%-ANTIMONY	564.1	104.	3463.	0.0177	0.0003	1.8
%-ARSENIC	657.4	64.	-2. <	0.0010	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:00:32 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044T2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10241.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 102:04 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	16.	22.	12.	18.	26.	25.	28.	23.	38.
1018:	29.	45.	61.	69.	106.	124.	148.	149.	119.
1027:	96.	71.	43.	35.	17.	23.	13.	17.	18.

% COPPER 511.0 KEV 0.0018

1117:	14.	22.	27.	22.	15.	31.	38.	33.	59.
1126:	106.	254.	446.	690.	765.	781.	543.	282.	137.
1135:	59.	27.	17.	9.	5.	7.	11.	10.	7.

% ANTIMONY 564.0 KEV <0.0010

1301:	10.	10.	9.	11.	16.	12.	6.	13.	14.
1310:	11.	9.	16.	9.	6.	9.	9.	8.	8.
1319:	10.	7.	13.	8.	11.	15.	10.	10.	11.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	120.	691.	0.0018	0.0001	4.4
%-ANTIMONY	564.1	116.	3645.	0.0188	0.0003	1.7
%-ARSENIC	657.4	56.	-7.	< 9.8851E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:01:23 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044T3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9056.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MLN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 112:18 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	26.	15.	21.	22.	13.	20.	25.	25.	16.
1018:	34.	41.	53.	73.	82.	136.	118.	123.	99.
1027:	96.	61.	44.	32.	23.	20.	17.	19.	23.

% COPPER 511.0 KEV 0.0018

1117:	14.	17.	16.	18.	11.	25.	27.	34.	51.
1126:	112.	218.	367.	557.	662.	693.	495.	291.	139.
1135:	46.	14.	15.	18.	12.	11.	9.	8.	10.

% ANTIMONY 564.1 KEV <0.0011

1301:	9.	9.	9.	9.	14.	14.	15.	7.	11.
1310:	11.	6.	8.	17.	11.	3.	7.	14.	9.
1319:	6.	18.	6.	6.	11.	11.	11.	10.	13.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	123.	604.	0.0018	0.0001	4.8
%-ANTIMONY	564.1	101.	3182.	0.0186	0.0003	1.8
%-ARSENIC	657.4	52.	0. <	0.0011	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:02:14 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044U1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9702.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 122:33 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NET ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	27.	42.	41.	37.	42.	32.	35.	50.	44.
1018:	62.	80.	113.	168.	225.	261.	335.	277.	254.
1027:	180.	135.	70.	53.	34.	43.	37.	36.	35.

% COPPER 511.0 KEV 0.0041

1117:	63.	85.	89.	127.	103.	101.	89.	88.	219.
1126:	408.	931.	1640.	2455.	3036.	2786.	2118.	1110.	480.
1135:	181.	52.	24.	21.	8.	10.	16.	11.	24.

% ANTIMONY 564.0 KEV 0.0762

1301:	10.	10.	11.	14.	12.	15.	7.	9.	11.
1310:	13.	12.	9.	16.	16.	19.	17.	10.	20.
1319:	11.	10.	11.	8.	10.	11.	9.	9.	5.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	219.	1481.	0.0041	0.0001	3.0
%-ANTIMONY	564.1	155.	13941.	0.0762	0.0007	0.9
%-ARSENIC	657.4	55.	28. <	0.0010	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:03:05 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044U2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9785.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 21JUN80 132:46 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	36.	26.	22.	45.	24.	35.	37.	39.	43.
1018:	58.	88.	108.	129.	208.	229.	261.	303.	242.
1027:	182.	130.	69.	59.	40.	50.	30.	36.	30.

% COPPER 511.1 + 0.0 KEV 0.0037

1117:	52.	74.	74.	81.	110.	100.	107.	111.	216.
1126:	350.	779.	1468.	2410.	3026.	3000.	2228.	1310.	591.
1135:	205.	58.	22.	11.	10.	17.	19.	12.	14.

% ANTIMONY 564.1 + 0.5 KEV 0.0763

1301:	6.	10.	11.	10.	9.	12.	17.	11.	10.
1310:	13.	9.	12.	10.	15.	21.	17.	16.	9.
1319:	17.	11.	13.	9.	9.	15.	9.	8.	7.

% ARSENIC 657.4 + 0.0 KEV < 0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	215.	1339.	0.0037	0.0001	3.2
%-ANTIMONY	564.1	169.	14052.	0.0763	0.0007	0.9
%-ARSENIC	657.4	51.	28. <	0.0010	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:03:56 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044U3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10569.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 143:01 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	39.	31.	36.	36.	31.	34.	46.	46.	44.
1018:	65.	88.	122.	163.	218.	268.	294.	300.	236.
1027:	208.	137.	87.	55.	53.	39.	43.	38.	38.

% COPPER 511.0 - 0.0 KEV 0.0037

1117:	61.	82.	92.	87.	135.	124.	105.	125.	209.
1126:	378.	848.	1648.	2589.	3193.	3110.	2369.	1406.	605.
1135:	212.	51.	19.	6.	10.	14.	8.	7.	15.

% ANTIMONY 564.4 - 0.5 KEV 0.0755

1301:	10.	15.	9.	9.	12.	1.	7.	8.	16.
1310:	4.	8.	10.	9.	10.	16.	17.	16.	20.
1319:	16.	13.	5.	11.	7.	5.	8.	9.	8.

% ARSENIC 657.4 - 4.0 KEV 9.3602E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	241.	1446.	0.0037	0.0001	3.1
%-ANTIMONY	564.1	171.	14992.	0.0755	0.0006	0.8
%-ARSENIC	657.4	43.	36.	9.3602E-04	2.8744E-04	30.7

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:04:47 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044V1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10062.00 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 153:16 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	45.	45.	47.	48.	55.	45.	44.	47.	66.
1018:	85.	96.	142.	223.	276.	325.	394.	385.	283.
1027:	252.	179.	105.	82.	60.	49.	42.	42.	37.

% COPPER 511.0 KEV 0.0051

1117:	63.	98.	137.	130.	156.	140.	166.	202.	286.
1126:	545.	1191.	2299.	3513.	4266.	4208.	3109.	1826.	740.
1135:	276.	67.	21.	12.	15.	17.	16.	11.	16.

% ANTIMONY 564.0 KEV 0.1070

1301:	8.	12.	13.	11.	11.	10.	9.	9.	16.
1310:	17.	10.	17.	17.	18.	21.	22.	12.	13.
1319:	15.	19.	13.	16.	12.	9.	12.	7.	12.

% ARSENIC 657.4 KEV 0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	290.	1848.	0.0051	0.0001	2.7
%-ANTIMONY	564.1	205.	20207.	0.1070	0.0008	0.7
%-ARSENIC	657.4	57.	39.	0.0011	0.0003	32.0

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:05:38 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: W1044VZ
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9590.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 203:30 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFF SET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	57.	59.	47.	46.	33.	37.	41.	58.	57.
1018:	64.	98.	130.	209.	286.	327.	368.	351.	314.
1027:	210.	141.	93.	80.	50.	44.	37.	40.	38.

% COPPER 511.0 KEV 0.0052

1117:	69.	79.	123.	139.	163.	144.	142.	187.	286.
1126:	610.	1172.	2214.	3436.	4194.	4036.	2942.	1667.	757.
1135:	236.	73.	22.	21.	21.	15.	11.	12.	7.

% ANTIMONY 564.1 KEV 0.1084

1301:	15.	9.	19.	10.	18.	13.	11.	14.	8.
1310:	10.	10.	20.	14.	23.	11.	18.	29.	21.
1319:	16.	4.	14.	17.	9.	9.	12.	7.	15.

% ARSENIC 657.4 KEV 0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	266.	1799.	0.0052	0.0001	2.7
%-ANTIMONY	564.1	190.	19471.	0.1084	0.0008	0.7
%-ARSENIC	657.4	62.	41.	0.0012	0.0004	31.6

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:06:29 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044V3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10188.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 21JUN80 213:44 * FWHM(133Z) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	49.	52.	46.	55.	48.	60.	48.	63.	68.
1018:	85.	122.	156.	204.	267.	358.	373.	377.	298.
1027:	246.	168.	117.	96.	53.	43.	47.	36.	46.

% COPPER 511.0 KEV 0.0051

1117:	84.	104.	125.	138.	174.	124.	119.	179.	331.
1126:	642.	1380.	2474.	3717.	4520.	4288.	3172.	1711.	773.
1135:	285.	74.	23.	19.	8.	13.	19.	7.	13.

% ANTIMONY 564.0 KEV 0.1105

1301:	7.	16.	7.	11.	11.	13.	9.	14.	8.
1310:	13.	11.	13.	15.	12.	14.	20.	20.	13.
1319:	15.	12.	15.	14.	8.	14.	6.	15.	11.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	284.	1839.	0.0051	0.0001	2.7
%-ANTIMONY	564.1	225.	21037.	0.1105	0.0008	0.7
%-ARSENIC	657.4	58.	24. <	0.0010	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:07:20 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044W1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9471.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 223:58 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	16.	11.	15.	15.	10.	12.	21.	22.	25.
1018:	19.	31.	49.	61.	98.	103.	135.	110.	106.
1027:	72.	41.	30.	19.	14.	5.	9.	10.	10.

% COPPER 511.1 - 100 KEV 0.0018

1117:	22.	14.	18.	16.	23.	22.	21.	30.	62.
1126:	91.	211.	381.	556.	623.	642.	434.	241.	117.
1135:	33.	16.	18.	5.	8.	7.	14.	13.	7.

% ANTIMONY 564.1 - 100 KEV 0.0170

1301:	1.	10.	7.	5.	7.	8.	8.	10.	8.
1310:	10.	11.	11.	13.	5.	5.	4.	11.	12.
1319:	9.	7.	12.	7.	13.	11.	7.	9.	8.

% ARSENIC 657.4 - 100 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	95.	591.	0.0018	0.0001	4.7
%-ANTIMONY	564.1	85.	3003.	0.0170	0.0003	1.9
%-ARSENIC	657.4	42.	3.	< 9.7030E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:08:11 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044W2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9189.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 234:09 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	8.	10.	17.	9.	16.	15.	15.	21.	22.
1018:	18.	39.	48.	49.	99.	110.	120.	109.	84.
1027:	62.	48.	26.	28.	18.	16.	22.	11.	10.

% COPPER 511.1 KEV 10.00125

1117:	16.	13.	24.	20.	21.	15.	24.	28.	46.
1126:	104.	196.	322.	537.	654.	567.	416.	222.	112.
1135:	37.	16.	10.	8.	11.	7.	13.	10.	6.

% ANTIMONY 564.1 KEV 10.00125

1301:	5.	9.	7.	9.	8.	4.	8.	8.	9.
1310:	5.	7.	10.	7.	7.	6.	8.	8.	5.
1319:	5.	8.	8.	7.	5.	8.	10.	10.	6.

% ARSENIC 657.4 KEV <10.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	109.	525.	0.0016	0.0001	5.2
%-ANTIMONY	564.1	90.	2824.	0.0165	0.0003	1.9
%-ARSENIC	657.4	39.	-0.	< 9.6532E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:09:02 AM XXXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044W3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8467.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 244:20 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	12.	15.	19.	11.	14.	20.	15.	19.	19.
1018:	25.	27.	44.	58.	93.	108.	97.	97.	90.
1027:	75.	48.	27.	23.	13.	17.	13.	17.	12.

% COPPER 511.0 KEV 0.0018

1117:	18.	20.	11.	16.	11.	24.	17.	27.	57.
1126:	91.	202.	339.	504.	619.	519.	409.	210.	90.
1135:	35.	6.	9.	11.	11.	13.	11.	6.	9.

% ANTIMONY 564.1 KEV <0.0011

1301:	9.	8.	9.	8.	6.	7.	6.	4.	9.
1310:	5.	11.	8.	10.	11.	9.	4.	7.	5.
1319:	9.	11.	7.	12.	7.	7.	8.	7.	8.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	95.	524.	0.0018	0.0001	5.1
%-ANTIMONY	564.1	91.	2711.	0.0172	0.0003	2.0
%-ARSENIC	657.4	40.	6. <	0.0011	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:09:53 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044X1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8172.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN.
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 254:30 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	8.	19.	10.	15.	12.	13.	13.	18.	19.
1018:	24.	43.	49.	55.	88.	90.	110.	88.	88.
1027:	64.	41.	27.	18.	20.	19.	12.	11.	9.

% COPPER 511.0 + 0.0 KEV 0.0017

1117:	12.	19.	17.	20.	26.	23.	18.	26.	47.
1126:	96.	175.	327.	494.	584.	506.	370.	211.	85.
1135:	36.	16.	8.	7.	9.	8.	5.	11.	7.

% ANTIMONY 564.1 + 0.0 KEV <0.0011

1301:	8.	7.	8.	8.	9.	5.	7.	8.	12.
1310:	10.	4.	9.	9.	8.	10.	7.	11.	5.
1319:	9.	10.	6.	19.	12.	5.	7.	5.	4.

% ARSENIC 657.4 + 0.0 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	97.	486.	0.0017	0.0001	5.4
%-ANTIMONY	564.1	82.	2585.	0.0170	0.0003	2.0
%-ARSENIC	657.4	43.	2. <	0.0011	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:10:44 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044X2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9057.000 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 21JUN80 304:41 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	22.	18.	20.	15.	24.	15.	19.	25.	25.
1018:	20.	39.	54.	64.	84.	102.	110.	93.	95.
1027:	61.	46.	46.	24.	19.	16.	18.	9.	10.

% COPPER 511.0 KEV 0.0016

1117:	15.	14.	17.	16.	12.	32.	16.	32.	70.
1126:	107.	219.	383.	548.	688.	575.	462.	224.	93.
1135:	46.	14.	10.	7.	11.	11.	12.	9.	16.

% ANTIMONY 564.1 KEV 0.0179

1301:	14.	11.	16.	8.	12.	9.	8.	8.	8.
1310:	7.	11.	12.	8.	15.	11.	12.	9.	12.
1319:	11.	13.	9.	13.	12.	12.	7.	13.	10.

% ARSENIC 657.4 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	113.	496.	0.0016	0.0001	5.4
%-ANTIMONY	564.1	97.	3002.	0.0179	0.0003	1.9
%-ARSENIC	657.4	57.	2. <	0.0012	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:11:35 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044X3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8994.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 314:55 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	10.	13.	16.	8.	17.	10.	15.	17.	16.
1018:	25.	28.	44.	69.	87.	86.	112.	98.	78.
1027:	72.	56.	33.	15.	17.	21.	13.	11.	9.

% COPPER 511.1 + 0.0 KEV 0.0017

1117:	17.	17.	15.	10.	16.	17.	19.	30.	47.
1126:	120.	194.	340.	567.	570.	571.	398.	210.	82.
1135:	39.	15.	11.	6.	13.	10.	11.	16.	13.

% ANTIMONY 564.1 + 0.5 KEV 0.0167

1301:	5.	6.	10.	8.	7.	7.	8.	12.	15.
1310:	9.	8.	8.	11.	12.	3.	8.	6.	6.
1319:	10.	4.	10.	7.	5.	4.	11.	9.	7.

% ARSENIC 657.4 + 0.0 KEV < 9.8601E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	87.	515.	0.0017	0.0001	5.1
%-ANTIMONY	564.1	73.	2777.	0.0167	0.0003	2.0
%-ARSENIC	657.4	37.	5.	< 9.8601E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:12:26 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044Y1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8100.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 325:06 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	7.	13.	14.	8.	6.	7.	15.	8.	13.
1018:	10.	26.	33.	47.	67.	66.	78.	60.	47.
1027:	47.	40.	26.	3.	18.	7.	11.	12.	11.

% COPPER 511.0 KEV 0.0013

1117:	14.	9.	11.	10.	16.	11.	15.	22.	63.
1126:	73.	158.	269.	357.	487.	398.	293.	169.	76.
1135:	26.	9.	7.	8.	5.	3.	8.	5.	9.

% ANTIMONY 564.0 KEV 0.0139

1301:	7.	5.	7.	2.	6.	6.	5.	9.	7.
1310:	6.	5.	5.	6.	2.	2.	6.	7.	7.
1319:	5.	4.	10.	3.	7.	7.	6.	8.	7.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	65.	347.	0.0013	0.0001	6.3
%-ANTIMONY	564.1	57.	2074.	0.0139	0.0003	2.3
%-ARSENIC	657.4	29.	-5.	< 9.7695E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:13:17 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044Y2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9417.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 335:16 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIE1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIM1: 85.00%
 *

XX

1009:	21.	8.	16.	14.	18.	12.	12.	9.	20.
1018:	19.	20.	37.	52.	59.	77.	64.	81.	56.
1027:	44.	38.	28.	15.	15.	13.	15.	12.	10.

% COPPER 511.1 - 100 KEV 0.0011

1117:	13.	15.	12.	14.	16.	15.	12.	21.	40.
1126:	92.	161.	307.	402.	519.	444.	301.	199.	87.
1135:	32.	11.	9.	4.	10.	7.	9.	9.	9.

% ANTIMONY 564.1 - 100 KEV 0.0130

1301:	7.	8.	5.	4.	13.	10.	5.	8.	8.
1310:	10.	6.	9.	10.	8.	7.	5.	11.	8.
1319:	14.	7.	9.	10.	6.	10.	4.	3.	6.

% ARSENIC 657.4 - 100 KEV < 9.4429E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	89.	338.	0.0011	0.0001	6.7
%-ANTIMONY	564.1	84.	2249.	0.0130	0.0003	2.2
%-ARSENIC	657.4	37.	4.	< 9.4429E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:14:08 AM XXXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044Y3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9404.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 345:27 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *
 XXX

1009:	14.	14.	15.	10.	7.	8.	17.	10.	14.
1018:	26.	31.	37.	41.	58.	85.	77.	72.	83.
1027:	40.	30.	32.	18.	9.	7.	13.	4.	11.

% COPPER 511.0 KEV 0.0013

1117:	10.	11.	15.	17.	10.	16.	21.	29.	50.
1126:	101.	163.	319.	456.	520.	505.	323.	194.	85.
1135:	20.	12.	10.	7.	2.	8.	8.	6.	7.

% ANTIMONY 564.1 KEV 0.0140

1301:	4.	5.	12.	4.	3.	5.	10.	7.	4.
1310:	7.	12.	11.	6.	3.	6.	8.	9.	5.
1319:	6.	7.	10.	10.	9.	1.	9.	6.	3.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	71.	385.	0.0013	0.0001	6.0
%-ANTIMONY	564.1	57.	2423.	0.0140	0.0003	2.1
%-ARSENIC	657.4	32.	6.	< 8.9468E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:14:59 AM XXXXXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044Z1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9180.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 355:38 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001819 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	33.	39.	50.	36.	36.	44.	39.	36.	60.
1018:	75.	100.	137.	181.	261.	309.	312.	273.	277.
1027:	202.	123.	92.	70.	53.	43.	39.	37.	27.

% COPPER 511.0 KEV 0.0052

1117:	66.	96.	123.	138.	145.	150.	139.	169.	279.
1126:	627.	1315.	2313.	3411.	4014.	3514.	2555.	1239.	527.
1135:	165.	47.	20.	23.	16.	9.	21.	11.	17.

% ANTIMONY 564.0 KEV 0.1078

1301:	8.	15.	8.	9.	10.	11.	10.	12.	5.
1310:	12.	13.	15.	21.	16.	22.	14.	19.	17.
1319:	18.	10.	9.	13.	15.	17.	8.	17.	8.

% ARSENIC 657.4 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	266.	1549.	0.0052	0.0002	3.0
%-ANTIMONY	564.1	199.	18164.	0.1078	0.0008	0.8
%-ARSENIC	657.4	62.	31. <	0.0012	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:15:50 AM XXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: W1044Z2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8647.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 405:52 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	45.	46.	45.	36.	41.	46.	42.	59.	67.
1018:	77.	110.	124.	201.	274.	283.	292.	276.	247.
1027:	198.	100.	80.	62.	49.	43.	36.	39.	36.

% COPPER 511.0 KEV 0.0054

1117:	95.	87.	143.	135.	144.	114.	124.	163.	283.
1126:	612.	1303.	2295.	3405.	3903.	3486.	2415.	1256.	539.
1135:	161.	55.	28.	21.	14.	15.	13.	14.	16.

% ANTIMONY 564.1 KEV 0.1126

1301:	18.	15.	7.	19.	16.	12.	11.	15.	8.
1310:	8.	12.	9.	14.	19.	21.	20.	21.	18.
1319:	9.	11.	8.	13.	15.	11.	9.	12.	11.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	270.	1502.	0.0054	0.0002	3.0
%-ANTIMONY	564.1	214.	17850.	0.1126	0.0009	0.8
%-ARSENIC	657.4	65.	35. <	0.0014	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:16:41 AM XXXXXXXXXXXXXXXXXXXX
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00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044Z3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8904.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 416:08 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	39.	34.	39.	49.	49.	49.	51.	48.	60.
1018:	80.	91.	137.	202.	235.	341.	364.	301.	243.
1027:	172.	140.	74.	73.	58.	37.	47.	34.	43.

% COPPER 511.0 KEV 0.0055

1117:	79.	83.	122.	147.	105.	141.	114.	177.	316.
1126:	681.	1336.	2488.	3463.	3959.	3626.	2459.	1376.	542.
1135:	165.	65.	27.	14.	7.	14.	21.	13.	20.

% ANTIMONY 564.1 KEV 0.1137

1301:	9.	15.	11.	9.	12.	14.	18.	9.	15.
1310:	12.	11.	8.	18.	13.	24.	16.	14.	17.
1319:	14.	16.	7.	11.	12.	7.	16.	13.	14.

% ARSENIC 657.4 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR,	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	284.	1575.	0.0055	0.0002	3.0
%-ANTIMONY	564.1	191.	18516.	0.1137	0.0009	0.8
%-ARSENIC	657.4	60.	25. <	0.0013	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:17:32 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: W1044AA1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10660.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 426:22 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	50.	48.	41.	54.	50.	42.	57.	69.	66.
1018:	75.	80.	150.	193.	252.	286.	296.	278.	241.
1027:	192.	126.	110.	74.	57.	35.	44.	37.	46.

% COPPER 511.0 KEV 0.0044

1117:	67.	89.	131.	133.	163.	136.	131.	165.	314.
1126:	683.	1392.	2521.	3594.	4185.	3689.	2668.	1351.	572.
1135:	186.	43.	20.	15.	15.	12.	19.	13.	9.

% ANTIMONY 564.1 KEV 0.0986

1301:	13.	7.	20.	9.	11.	11.	10.	10.	13.
1310:	11.	10.	10.	12.	14.	21.	17.	14.	16.
1319:	10.	13.	10.	9.	10.	15.	17.	4.	8.

% ARSENIC 657.4 KEV <0.0010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	268.	1470.	0.0044	0.0001	3.1
%-ANTIMONY	564.1	201.	19199.	0.0986	0.0007	0.8
%-ARSENIC	657.4	57.	26. <	0.0010	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:18:23 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044AA2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10386.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 436:37 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	51.	40.	47.	51.	53.	53.	59.	62.	65.
1018:	92.	125.	161.	224.	299.	318.	337.	325.	264.
1027:	234.	157.	88.	75.	46.	51.	39.	47.	38.

% COPPER 511.1 + 0.0 KEV 0.0052

1117:	74.	105.	137.	145.	155.	138.	141.	198.	336.
1126:	782.	1596.	2721.	3868.	4415.	3960.	2727.	1523.	584.
1135:	192.	62.	17.	16.	9.	15.	14.	13.	15.

% ANTIMONY 564.1 + 0.5 KEV 0.1088

1301:	15.	17.	17.	13.	13.	11.	17.	14.	8.
1310:	12.	19.	17.	19.	24.	28.	28.	17.	24.
1319:	15.	18.	11.	15.	16.	13.	21.	14.	12.

% ARSENIC 657.4 + 0.0 KEV 0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	326.	1676.	0.0052	0.0001	2.9
%-ANTIMONY	564.1	213.	20597.	0.1088	0.0008	0.7
%-ARSENIC	657.4	75.	46.	0.0013	0.0004	30.3

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 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:19:14 AM XXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: W1044AAS
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10138.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 446:51 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	40.	39.	41.	42.	40.	55.	50.	59.	63.
1018:	77.	117.	145.	230.	284.	315.	299.	280.	256.
1027:	193.	153.	67.	63.	50.	39.	44.	37.	30.

% COPPER 511.1 + 0.0 KEV 0 + 0.050

1117:	69.	104.	126.	128.	136.	117.	130.	172.	330.
1126:	760.	1493.	2453.	3594.	4142.	3840.	2641.	1366.	584.
1135:	206.	50.	23.	12.	9.	17.	17.	15.	17.

% ANTIMONY 564.1 + 0.5 KEV 0 + 0.012

1301:	10.	19.	13.	13.	13.	6.	11.	11.	11.
1310:	14.	12.	18.	13.	15.	28.	12.	22.	9.
1319:	17.	12.	10.	11.	19.	8.	13.	9.	11.

% ARSENIC 657.4 + 0.0 KEV < 0 + 0.012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	286.	1571.	0.0050	0.0001	3.0
%-ANTIMONY	564.1	214.	19335.	0.1048	0.0008	0.7
%-ARSENIC	657.4	62.	10. <	0.0012	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:20:05 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044AB1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9855.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 457:06 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	46.	35.	31.	30.	39.	46.	22.	32.	46.
1018:	83.	83.	125.	229.	264.	335.	394.	341.	308.
1027:	202.	136.	87.	61.	55.	28.	20.	27.	31.

% COPPER 511.1 + 0.0 KEV 0.0062

1117:	30.	40.	67.	65.	76.	61.	73.	89.	185.
1126:	409.	790.	1456.	2099.	2419.	2082.	1464.	779.	326.
1135:	116.	48.	13.	11.	12.	12.	16.	9.	8.

% ANTIMONY 564.1 + 0.5 KEV 0.0611

1301:	9.	10.	10.	14.	11.	10.	17.	7.	16.
1310:	8.	12.	10.	12.	10.	11.	15.	9.	16.
1319:	12.	11.	18.	15.	11.	6.	10.	5.	11.

% ARSENIC 657.4 + 0.0 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	197.	1876.	0.0062	0.0002	2.6
%-ANTIMONY	564.1	150.	10939.	0.0611	0.0006	1.0
%-ARSENIC	657.4	51.	12. <	0.0011	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:20:56 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044ABZ
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10091.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 507:20 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	41.	36.	38.	37.	32.	36.	38.	50.	54.
1018:	75.	105.	132.	218.	291.	374.	402.	350.	294.
1027:	208.	142.	94.	64.	40.	47.	39.	34.	19.

% COPPER 511.1 + 0.0 KEV 0 + 0.052

1117:	57.	48.	68.	69.	52.	63.	81.	120.	202.
1126:	414.	875.	1548.	2066.	2530.	2227.	1513.	830.	340.
1135:	133.	36.	21.	13.	13.	11.	26.	18.	15.

% ANTIMONY 564.1 + 0.5 KEV 0 + 0.0524

1301:	21.	11.	19.	14.	10.	13.	11.	17.	14.
1310:	18.	14.	14.	14.	15.	21.	10.	12.	15.
1319:	13.	16.	11.	13.	9.	16.	8.	13.	13.

% ARSENIC 657.4 + 0.0 KEV < 0 + 0.012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	218.	1919.	0.0062	0.0002	2.5
%-ANTIMONY	564.1	172.	11418.	0.0624	0.0006	1.0
%-ARSENIC	657.4	63.	12. <	0.0012	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:21:48 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044AB3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9711.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 517:35 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	32.	29.	27.	48.	45.	29.	46.	41.	53.
1018:	76.	120.	143.	214.	292.	370.	373.	354.	246.
1027:	207.	145.	87.	67.	48.	28.	23.	30.	30.

% COPPER 511.1 + 0.0 KEV 0.0063

1117:	37.	65.	67.	52.	58.	73.	73.	108.	200.
1126:	425.	885.	1472.	2188.	2323.	2072.	1494.	809.	312.
1135:	95.	44.	16.	17.	13.	18.	10.	10.	11.

% ANTIMONY 564.1 KEV 0.0063

1301:	12.	16.	14.	7.	15.	7.	12.	14.	10.
1310:	6.	18.	14.	13.	15.	17.	18.	10.	16.
1319:	12.	8.	17.	18.	8.	12.	16.	9.	8.

% ARSENIC 657.4 KEV < 0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	206.	1850.	0.0063	0.0002	2.6
%-ANTIMONY	564.1	158.	11085.	0.0631	0.0006	1.0
%-ARSENIC	657.4	61.	5. <	0.0012	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:22:39 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044AC1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8890.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 527:49 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	21.	25.	12.	18.	17.	19.	22.	24.	29.
1018:	50.	54.	87.	170.	207.	224.	233.	213.	202.
1027:	133.	97.	68.	38.	24.	28.	15.	19.	8.

% COPPER 511.0 KEV 0.0048

1117:	27.	37.	41.	43.	38.	57.	32.	67.	124.
1126:	246.	532.	883.	1279.	1479.	1200.	919.	479.	188.
1135:	66.	22.	11.	6.	9.	2.	8.	4.	8.

% ANTIMONY 564.1 KEV 0.0416

1301:	7.	5.	8.	6.	6.	5.	10.	6.	9.
1310:	2.	3.	10.	2.	10.	10.	6.	6.	6.
1319:	5.	5.	7.	8.	8.	8.	9.	1.	5.

% ARSENIC 657.4 KEV < 9.8993E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	114.	1268.	0.0048	0.0001	3.1
%-ANTIMONY	564.1	90.	6681.	0.0416	0.0005	1.3
%-ARSENIC	657.4	32.	6.	< 9.8993E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:23:29 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: U1044AC2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9322.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 538:04 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY: N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	22.	19.	20.	12.	28.	16.	29.	36.	32.
1018:	46.	64.	119.	149.	179.	244.	240.	269.	165.
1027:	129.	76.	48.	59.	25.	16.	17.	17.	14.

% COPPER 511.0 KEV 0.0045

1117:	39.	34.	47.	35.	34.	43.	54.	70.	113.
1126:	270.	547.	952.	1333.	1522.	1401.	892.	452.	204.
1135:	50.	19.	11.	11.	7.	5.	10.	9.	15.

% ANTIMONY 564.1 KEV 0.0416

1301:	7.	5.	7.	9.	4.	6.	4.	7.	10.
1310:	13.	7.	9.	6.	6.	6.	7.	10.	6.
1319:	6.	7.	4.	7.	8.	6.	8.	6.	10.

% ARSENIC 657.4 KEV < 9.6164E-04

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	128.	1247.	0.0045	0.0001	3.1
%-ANTIMONY	564.1	106.	6993.	0.0416	0.0005	1.2
%-ARSENIC	657.4	33.	1.	< 9.6164E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:24:20 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044AC3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9264.000 UNITS: UG
 SAMPLE GEOMETRY: KT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 548:19 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	18.	24.	18.	23.	28.	22.	22.	25.	37.
1018:	60.	85.	114.	174.	196.	251.	263.	242.	173.
1027:	127.	90.	54.	45.	24.	24.	21.	27.	18.

% COPPER 511.0 KEV 0.0047

1117:	24.	37.	44.	37.	41.	52.	59.	83.	124.
1126:	268.	600.	911.	1383.	1508.	1391.	908.	489.	179.
1135:	74.	30.	10.	8.	8.	7.	9.	4.	8.

% ANTIMONY 564.1 KEV 0.0425

1301:	7.	11.	10.	10.	3.	8.	11.	10.	9.
1310:	9.	13.	9.	7.	5.	11.	16.	10.	7.
1319:	9.	8.	6.	8.	8.	12.	4.	11.	7.

% ARSENIC 657.4 KEV <0.0011

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	148.	1278.	0.0047	0.0001	3.1
%-ANTIMONY	564.1	110.	7080.	0.0425	0.0005	1.2
%-ARSENIC	657.4	43.	7. <	0.0011	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:25:11 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044AD1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7977.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 558:41 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	11.	10.	8.	11.	11.	13.	10.	12.	11.
1018:	17.	33.	33.	44.	65.	50.	63.	65.	52.
1027:	48.	34.	22.	19.	8.	10.	12.	10.	6.

% COPPER: 511.1 - 100 KEV 10 - 100000

1117:	9.	15.	15.	16.	18.	20.	17.	25.	39.
1126:	87.	149.	293.	386.	474.	400.	291.	146.	77.
1135:	29.	11.	8.	9.	9.	4.	8.	2.	4.

% ANTIMONY: 564.1 - 100 KEV 10 - 100000

1301:	4.	6.	9.	4.	6.	3.	8.	14.	7.
1310:	4.	7.	5.	7.	3.	5.	9.	6.	4.
1319:	6.	8.	9.	6.	9.	4.	6.	9.	5.

% ARSENIC: 657.4 - 100 KEV < 10 - 100000

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	78.	309.	0.0013	0.0001	7.0
%-ANTIMONY	564.1	64.	2075.	0.0145	0.0003	2.3
%-ARSENIC	657.4	31.	-1. <	0.0011	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:26:02 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044AD2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8207.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 608:52 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NET ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	7.	19.	16.	10.	14.	14.	16.	14.	11.
1018:	16.	25.	31.	53.	56.	80.	78.	61.	58.
1027:	31.	29.	35.	24.	15.	20.	10.	15.	11.

% COPPER 511.0 KEV 0.0014

1117:	17.	11.	14.	9.	13.	19.	22.	24.	43.
1126:	112.	152.	295.	453.	482.	412.	277.	137.	69.
1135:	35.	15.	10.	7.	7.	7.	10.	9.	14.

% ANTIMONY 564.1 KEV 0.0146

1301:	6.	7.	5.	4.	5.	12.	10.	4.	8.
1310:	12.	8.	7.	14.	8.	7.	6.	7.	6.
1319:	2.	12.	6.	11.	6.	8.	5.	10.	6.

% ARSENIC 657.4 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	83.	334.	0.0014	0.0001	6.7
%-ANTIMONY	564.1	61.	2147.	0.0146	0.0003	2.2
%-ARSENIC	657.4	37.	7. <	0.0012	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:26:53 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044AD3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9136.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 619:06 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY:N,LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	13.	6.	10.	14.	13.	16.	10.	16.	14.
1018:	26.	24.	32.	45.	65.	64.	98.	79.	64.
1027:	45.	32.	23.	12.	16.	9.	17.	8.	16.

% COPPER 511.1 - 100 KEV 0.00015

1117:	17.	12.	14.	17.	22.	20.	23.	27.	47.
1126:	95.	181.	338.	474.	508.	453.	316.	183.	94.
1135:	32.	8.	8.	6.	4.	7.	7.	7.	7.

% ANTIMONY 564.1 - 100 KEV 0.00015

1301:	6.	7.	11.	9.	3.	7.	2.	2.	7.
1310:	6.	4.	4.	4.	4.	5.	9.	7.	6.
1319:	2.	6.	7.	9.	6.	8.	7.	3.	3.

% ARSENIC 657.4 - 100 KEV <0.00010

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	80.	380.	0.0015	0.0001	6.1
%-ANTIMONY	564.1	64.	2389.	0.0146	0.0003	2.1
%-ARSENIC	657.4	35.	-4. <	0.0010	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:27:44 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044AE1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7681.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 629:16 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI 15 #1 * LIBRARY: N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	9.	9.	12.	12.	12.	11.	7.	10.	16.
1018:	24.	20.	27.	44.	65.	62.	72.	54.	60.
1027:	38.	31.	21.	10.	11.	7.	8.	8.	6.

% COPPER 511.0 KEV 0.0015

1117:	13.	20.	11.	18.	11.	13.	17.	28.	38.
1126:	102.	184.	284.	432.	489.	429.	297.	161.	49.
1135:	27.	11.	9.	9.	7.	2.	10.	10.	8.

% ANTIMONY 564.0 KEV 0.0161

1301:	3.	6.	7.	6.	5.	9.	2.	5.	3.
1310:	6.	10.	5.	8.	3.	6.	6.	3.	9.
1319:	5.	7.	7.	5.	5.	9.	7.	6.	9.

% ARSENIC 657.4 KEV <0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	76.	319.	0.0015	0.0001	6.8
%-ANTIMONY	564.1	63.	2213.	0.0161	0.0004	2.2
%-ARSENIC	657.4	33.	-0. <	0.0012	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:28:35 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044AE2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 6700.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 639:26 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER: 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%

XX

1009:	8.	12.	10.	8.	15.	14.	11.	21.	13.
1018:	19.	25.	37.	43.	71.	74.	65.	69.	58.
1027:	43.	34.	24.	12.	10.	9.	13.	9.	9.

% COPPER 511.0 KEV 0.0018

1117:	9.	5.	18.	9.	12.	21.	20.	19.	48.
1126:	88.	168.	275.	376.	467.	380.	268.	142.	73.
1135:	16.	9.	11.	8.	4.	4.	6.	4.	7.

% ANTIMONY 564.1 KEV <0.0013

1301:	3.	5.	5.	8.	2.	5.	6.	6.	9.
1310:	5.	9.	8.	5.	8.	7.	5.	6.	10.
1319:	11.	6.	7.	6.	5.	8.	7.	8.	6.

% ARSENIC 657.4 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	78.	345.	0.0018	0.0001	6.5
%-ANTIMONY	564.1	62.	2014.	0.0169	0.0004	2.3
%-ARSENIC	657.4	30.	6. <	0.0013	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 9:29:25 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00610007 QY RF GREENKILL LEAD

SAMPLE DATE: 20JUN80 1100:00
 SAMPLE IDENTIFICATION: Q1044AE3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7621.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 649:37 * FWHM(1332) 3.114
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 10.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI 15 #1 * LIBRARY:N.LIB1
 DATE CALIBRATED: 20JUN80 1321:50 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 85.00%
 *

XX

1009:	15.	8.	10.	9.	20.	15.	14.	18.	14.
1018:	26.	20.	45.	36.	52.	73.	84.	65.	54.
1027:	36.	29.	23.	18.	10.	11.	9.	9.	9.

% COPPER 511.1 - 100 KEV 0.0015

1117:	11.	11.	12.	22.	12.	20.	17.	27.	30.
1126:	98.	179.	315.	456.	459.	434.	327.	145.	59.
1135:	25.	9.	10.	6.	8.	10.	8.	12.	10.

% ANTIMONY 564.1 - 100 KEV 0.0015

1301:	13.	4.	12.	7.	9.	6.	6.	6.	10.
1310:	4.	7.	7.	11.	7.	7.	12.	6.	10.
1319:	6.	11.	7.	5.	7.	11.	16.	5.	8.

% ARSENIC 657.4 - 100 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	87.	322.	0.0015	0.0001	6.9
%-ANTIMONY	564.1	76.	2239.	0.0165	0.0004	2.2
%-ARSENIC	657.4	41.	3. <	0.0013	NOT DETECTABLE	

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Greenkill
Series III
JH dg

0061007 KF GREENKILL

SAMPLE	SAM.WT.	%-COPPER	%-ANTIMONY	%-ARSENIC
S626A	13252.000	0.07961	0.73929	0.00341
S626B	12311.000	0.07596	0.70394	0.00260
S626C	11028.000	0.07844	0.71574	0.00299
		0.07800 AVG	0.71966 AVG	0.00300 AVG
		0.001860 SD	0.017999 SD	0.000406 SD
		2.384865 %RSD	2.500987 %RSD	13.530161 %RSD
S604A	14229.000	0.00699	1.92506	0.10185
S604B	12788.000	0.00691	1.89023	0.09949
S604C	14408.000	0.00683	1.90036	0.09868
		0.00691 AVG	1.90521 AVG	0.10001 AVG
		0.000080 SD	0.017915 SD	0.001644 SD
		1.164294 %RSD	0.940318 %RSD	1.643674 %RSD
Q1060A1	9553.000	0.08458	0.61705	0.00365
Q1060A2	10674.000	0.07869	0.57860	0.00183
Q1060A3	10783.000	0.07714	0.56338	0.00156
		0.08013 AVG	0.58634 AVG	0.00235 AVG
		0.003923 SD	0.027662 SD	0.001136 SD
		4.895624 %RSD	4.717782 %RSD	48.406773 %RSD
Q1060B1	11772.000	0.06001	0.77229	< 0.00132
Q1060B2	11819.000	0.05753	0.75006	< 0.00136
Q1060B3	11568.000	0.05664	0.74074	< 0.00133
		0.05806 AVG	0.75437 AVG	0.00000 AVG
		0.001748 SD	0.016210 SD	0.000000 SD
		3.011230 %RSD	2.148833 %RSD	0.000000 %RSD
Q1060C1	11364.000	0.08186	0.59878	0.00266
Q1060C2	11579.000	0.07869	0.57383	0.00279
Q1060C3	11048.000	0.07849	0.56637	0.00246
		0.07968 AVG	0.57966 AVG	0.00263 AVG
		0.001890 SD	0.016970 SD	0.000167 SD
		2.371896 %RSD	2.927613 %RSD	6.341864 %RSD
Q1060D1	11744.000	0.05945	0.78848	< 0.00135
Q1060D2	11903.000	0.05803	0.77273	< 0.00135
Q1060D3	11237.000	0.05871	0.77908	< 0.00143
		0.05873 AVG	0.78010 AVG	0.00000 AVG
		0.000707 SD	0.007922 SD	0.000000 SD
		1.204174 %RSD	1.015530 %RSD	0.000000 %RSD
Q1060E1	10503.000	0.06035	0.75723	< 0.00137
Q1060E2	11297.000	0.05908	0.74757	< 0.00138
Q1060E3	10199.000	0.05569	0.70475	< 0.00136
		0.05837 AVG	0.73652 AVG	0.00000 AVG

0.002412 SD	0.027933 SD	0.000000 SD
4.132251 %RSD	3.792611 %RSD	0.000000 %RSD

Q1060F1	13344.000	0.06156	0.80180	<	0.00138
Q1060F2	12786.000	0.06338	0.81061	<	0.00137
Q1060F3	13153.000	0.06407	0.80205	<	0.00136

0.06301 AVG	0.80482 AVG	0.000000 AVG
0.001295 SD	0.005014 SD	0.000000 SD
2.055856 %RSD	0.622962 %RSD	0.000000 %RSD

Q1060G1	11680.000	0.09820	0.49625		0.00407
Q1060G2	12001.000	0.09666	0.48435		0.00473
Q1060G3	11891.000	0.09385	0.47371		0.00474

0.09623 AVG	0.48477 AVG	0.00451 AVG
0.002204 SD	0.011275 SD	0.000383 SD
2.290618 %RSD	2.325863 %RSD	8.492203 %RSD

Q1060H1	11973.000	0.05667	0.74618	<	0.00137
Q1060H2	11919.000	0.05798	0.76667	<	0.00133
Q1060H3	11225.000	0.05938	0.77862	<	0.00150

0.05801 AVG	0.76382 AVG	0.000000 AVG
0.001359 SD	0.016405 SD	0.000000 SD
2.342114 %RSD	2.147745 %RSD	0.000000 %RSD

Q1060I1	9427.000	0.05524	0.73958	<	0.00147
Q1060I2	10385.000	0.05163	0.69256	<	0.00135
Q1060I3	9837.000	0.05211	0.69776	<	0.00145

0.05299 AVG	0.70996 AVG	0.000000 AVG
0.001960 SD	0.025776 SD	0.000000 SD
3.698350 %RSD	3.630565 %RSD	0.000000 %RSD

Q1060J1	8775.000	0.05376	0.71926	<	0.00151
Q1060J2	8272.000	0.05584	0.74002	<	0.00173
Q1060J3	8302.000	0.05505	0.72970	<	0.00164

0.05488 AVG	0.72966 AVG	0.000000 AVG
0.001053 SD	0.010378 SD	0.000000 SD
1.917829 %RSD	1.422365 %RSD	0.000000 %RSD

Q1060K1	11249.000	0.07906	0.58210		0.00282
Q1060K2	11725.000	0.07683	0.56704		0.00186
Q1060K3	10996.000	0.07829	0.57777		0.00201

0.07806 AVG	0.57564 AVG	0.00223 AVG
0.001131 SD	0.007753 SD	0.000518 SD
1.448635 %RSD	1.346799 %RSD	23.246284 %RSD

Q1060L1	11969.000	0.09201	0.54484		0.00473
Q1060L2	10956.000	0.09033	0.52537		0.00499
Q1060L3	11627.000	0.09144	0.53358		0.00417

0.09126 AVG	0.53460 AVG	0.00463 AVG
0.000850 SD	0.009777 SD	0.000419 SD
0.930957 %RSD	1.828816 %RSD	9.042477 %RSD

Q1060M1	11748.000	0.06714	0.64352	0.01562
Q1060M2	11898.000	0.06648	0.63713	0.01519
Q1060M3	12549.000	0.06645	0.63217	0.01563
		0.06669 AVG	0.63744 AVG	0.01548 AVG
		0.000392 SD	0.005719 SD	0.000252 SD
		0.588080 %RSD	0.897230 %RSD	1.626364 %RSD

Q1060N1	12729.000	0.08141	0.53417	< 0.00124
Q1060N2	13710.000	0.08347	0.54578	0.00179
Q1060N3	13285.000	0.07963	0.52703	< 0.00122
		0.08150 AVG	0.53566 AVG	0.00179 AVG
		0.001919 SD	0.009461 SD	0.000000 SD
		2.354628 %RSD	1.766300 %RSD	0.000000 %RSD

Q1060O1	11189.000	0.05309	0.73808	< 0.00141
Q1060O2	11461.000	0.05681	0.75496	< 0.00150
Q1060O3	10408.000	0.05794	0.76799	< 0.00163
		0.05661 AVG	0.75368 AVG	0.000000 AVG
		0.001438 SD	0.014999 SD	0.000000 SD
		2.539871 %RSD	1.990064 %RSD	0.000000 %RSD

Q1060P1	10799.000	0.07823	0.57784	0.00281
Q1060P2	11085.000	0.07868	0.58839	0.00265
Q1060P3	10760.000	0.07850	0.57730	0.00313
		0.07847 AVG	0.58118 AVG	0.00286 AVG
		0.000227 SD	0.006251 SD	0.000246 SD
		0.288745 %RSD	1.075533 %RSD	8.577505 %RSD

Q1060Q1	11695.000	0.05346	0.71659	< 0.00140
Q1060Q2	11502.000	0.05596	0.74991	< 0.00144
Q1060Q3	11926.000	0.05734	0.75954	< 0.00146
		0.05559 AVG	0.74201 AVG	0.000000 AVG
		0.001969 SD	0.022539 SD	0.000000 SD
		3.541680 %RSD	3.037542 %RSD	0.000000 %RSD

Q1060R1	8827.000	0.05490	0.72256	< 0.00164
Q1060R2	8235.000	0.05341	0.71893	< 0.00182
Q1060R3	8048.000	0.05361	0.73004	< 0.00185
		0.05464 AVG	0.72384 AVG	0.000000 AVG
		0.001125 SD	0.005664 SD	0.000000 SD
		2.059366 %RSD	0.782545 %RSD	0.000000 %RSD

Q1060S1	11324.000	0.08569	0.57370	< 0.00142
Q1060S2	11393.000	0.08650	0.58787	< 0.00146
Q1060S3	11197.000	0.08758	0.58992	< 0.00144
		0.08639 AVG	0.58383 AVG	0.000000 AVG
		0.000949 SD	0.008831 SD	0.000000 SD
		1.096525 %RSD	1.512591 %RSD	0.000000 %RSD

Q1060T1	10723.000	0.05547	0.70449	< 0.00149
Q1060T2	10855.000	0.05529	0.69925	< 0.00146

Q1060T3	10874.000	0.05609	0.69655	<	0.00140
		0.05362 AVG	0.70000 AVG		0.00000 AVG
		0.000419 SD	0.004039 SD		0.000000 SD
		0.752578 %RSD	0.576881 %RSD		0.000000 %RSD
Q1060U1	13105.000	0.05057	0.67914	<	0.00138
Q1060U2	11965.000	0.05849	0.77981	<	0.00145
Q1060U3	12804.000	0.05226	0.69610	<	0.00139
		0.05377 AVG	0.71835 AVG		0.00000 AVG
		0.004173 SD	0.053898 SD		0.000000 SD
		7.759503 %RSD	7.503041 %RSD		0.000000 %RSD
Q1060V1	12518.000	0.05148	0.68666	<	0.00144
Q1060V2	12324.000	0.05191	0.69466	<	0.00140
Q1060V3	12524.000	0.05263	0.70449	<	0.00143
		0.05201 AVG	0.69527 AVG		0.00000 AVG
		0.000582 SD	0.008933 SD		0.000000 SD
		1.119264 %RSD	1.284797 %RSD		0.000000 %RSD
Q1060W1	10673.000	0.05740	0.75625	<	0.00168
Q1060W2	11003.000	0.05808	0.77701	<	0.00159
Q1060W3	10152.000	0.05762	0.78450	<	0.00166
		0.05770 AVG	0.77259 AVG		0.00000 AVG
		0.000347 SD	0.014636 SD		0.000000 SD
		0.601295 %RSD	1.894390 %RSD		0.000000 %RSD
Q1060X1	12549.000	0.07728	0.54156		0.00204
Q1060X2	11889.000	0.07934	0.55565		0.00309
Q1060X3	12213.000	0.07685	0.53456		0.00273
		0.07782 AVG	0.54392 AVG		0.00262 AVG
		0.001330 SD	0.010744 SD		0.000535 SD
		1.709494 %RSD	1.975206 %RSD		20.429665 %RSD
Q1060Y1	7893.000	0.09218	0.48546		0.00437
Q1060Y2	8924.000	0.10485	0.51049		0.00419
Q1060Z1	9868.000	0.06321	0.63770	<	0.00160
		0.08675 AVG	0.54455 AVG		0.00428 AVG
		0.021342 SD	0.081636 SD		0.002680 SD
		24.603289 %RSD	14.991461 %RSD		62.649101 %RSD
Q1060Z2	10365.000	0.06378	0.63904		0.00297
Q1060Z3	9897.000	0.06647	0.66225		0.00196
Q1060AA1	12135.000	0.05744	0.77654	<	0.00162
		0.06256 AVG	0.69261 AVG		0.00246 AVG
		0.004634 SD	0.073603 SD		0.001107 SD
		7.407203 %RSD	10.626979 %RSD		44.934971 %RSD
Q1060AA2	11744.000	0.06140	0.81125	<	0.00167
Q1060AA3	12062.000	0.06057	0.80786	<	0.00158
Q1060AB1	9064.000	0.05194	0.69611	<	0.00172
		0.05797 AVG	0.77174 AVG		0.00000 AVG

0.005238 SD	0.045519 SD	0.000000 SD
9.036066 %RSD	8.489740 %RSD	0.000000 %RSD

Q1060AB2	9515.000	0.05360	0.71132	<	0.00172
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Q1060AB3	9040.000	0.05168	0.68150	<	0.00166
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Q1060AC1	12505.000	0.05673	0.74106	<	0.00161
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Q1060AC2	11547.000	0.05911	0.78224	<	0.00176
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Q1060AC3	12477.000	0.06087	0.78808	<	0.00163
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0.05890 AVG	0.77046 AVG	0.000000 AVG
0.002074 SD	0.025628 SD	0.000000 SD
3.521016 %RSD	3.326310 %RSD	0.000000 %RSD

Q1060AD1	10774.000	0.05851	0.77093	<	0.00168
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Q1060AD2	10590.000	0.05666	0.74852	<	0.00172
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Q1060AD3	10021.000	0.05682	0.76748	<	0.00193
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0.05733 AVG	0.76231 AVG	0.000000 AVG
0.001027 SD	0.012065 SD	0.000000 SD
1.791898 %RSD	1.582635 %RSD	0.000000 %RSD

(TI)TITLE:

0061007 RF GREENKILL

(LN)LIBRARY:

(SA)SAMPLE TIME: 21JUN80 1107:00

(SE)STD ENERGY TOLERANCE: 2.00

(UE)UNK ENERGY TOLERANCE: 2.00

(TF)THERMAL FLUX: 0.0000E-01

(EF)EFITHERMAL FLUX: 0.0000E-01

(FF)FAST FLUX: 0.0000E-01

(QU)UNITS: UG

	ELEMENT	ENERGY	HALF-LIFE	SEC
1	%-COPPER	511.00	1.2800E 01 H	4.6080E 04
2	%-ANTIMONY	564.09	2.7200E 00 D	2.3501E 05
3	%-ARSENIC	657.41	2.6300E 01 H	9.4680E 04

STANDARD SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	13252.00	FBI1 .A01	100.0	100000.0
2	S626B	12311.00	FBI1 .A02	100.0	100000.0
3	S626C	11028.00	FBI1 .A03	100.0	100000.0
4	S604A	14229.00	FBI1 .A04	100.0	100000.0
5	S604B	12788.00	FBI1 .A05	100.0	100000.0
6	S604C	14408.00	FBI1 .A06	100.0	100000.0

STD: 1 S626A FILE= FBI1 .A01

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 2 S626B FILE= FBI1 .A02

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 3 S626C FILE= FBI1 .A03

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 4 S604A FILE= FBI1 .A04

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 5 S604B

FILE= FBI1 .A05

ELEMENT	ENERGY	CONC	ERROR
1 %-COPPER	511.00	0.0000E-01	0.0000E-01
2 %-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3 %-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 6 S604C

FILE= FBI1 .A06

ELEMENT	ENERGY	CONC	ERROR
1 %-COPPER	511.00	0.0000E-01	0.0000E-01
2 %-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3 %-ARSENIC	657.41	1.0000E-01	0.0000E-01

UNKNOWN SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	13252.00	FBI1 .A01	100.0	100000.0
2	S626B	12311.00	FBI1 .A02	100.0	100000.0
3	S626C	11028.00	FBI1 .A03	100.0	100000.0
4	S604A	14229.00	FBI1 .A04	100.0	100000.0
5	S604B	12788.00	FBI1 .A05	100.0	100000.0
6	S604C	14408.00	FBI1 .A06	100.0	100000.0
7	Q1060A1	9553.00	FBI1 .A07	100.0	100000.0
8	Q1060A2	10474.00	FBI1 .A08	100.0	100000.0
9	Q1060A3	10783.00	FBI1 .A09	100.0	100000.0
10	Q1060B1	11772.00	FBI1 .A10	100.0	100000.0
11	Q1060B2	11819.00	FBI1 .A11	100.0	100000.0
12	Q1060B3	11568.00	FBI1 .A12	100.0	100000.0
13	Q1060C1	11364.00	FBI1 .A13	100.0	100000.0
14	Q1060C2	11579.00	FBI1 .A14	-100.0	100000.0
15	Q1060C3	11048.00	FBI1 .A15	100.0	100000.0
16	Q1060D1	11744.00	FBI1 .A16	100.0	100000.0
17	Q1060D2	11903.00	FBI1 .A17	100.0	100000.0
18	Q1060D3	11237.00	FBI1 .A18	100.0	100000.0
19	Q1060E1	10503.00	FBI1 .A19	100.0	100000.0
20	Q1060E2	11297.00	FBI1 .A20	100.0	100000.0
21	Q1060E3	10199.00	FBI1 .A21	100.0	100000.0
22	Q1060F1	13344.00	FBI1 .A22	100.0	100000.0
23	Q1060F2	12786.00	FBI1 .A23	100.0	100000.0
24	Q1060F3	13153.00	FBI1 .A24	100.0	100000.0
25	Q1060G1	11680.00	FBI1 .A25	100.0	100000.0
26	Q1060G2	12001.00	FBI1 .A26	100.0	100000.0
27	Q1060G3	11891.00	FBI1 .A27	100.0	100000.0
28	Q1060H1	11973.00	FBI1 .A28	100.0	100000.0
29	Q1060H2	11919.00	FBI1 .A29	100.0	100000.0
30	Q1060H3	11225.00	FBI1 .A30	100.0	100000.0
31	Q1060I1	9427.00	FBI1 .A31	100.0	100000.0
32	Q1060I2	10385.00	FBI1 .A32	100.0	100000.0
33	Q1060I3	9837.00	FBI1 .A33	100.0	100000.0
34	Q1060J1	8775.00	FBI1 .A34	100.0	100000.0
35	Q1060J2	8272.00	FBI1 .A35	100.0	100000.0
36	Q1060J3	8302.00	FBI1 .A36	100.0	100000.0
37	Q1060K1	11249.00	FBI1 .A37	100.0	100000.0
38	Q1060K2	11725.00	FBI1 .A38	100.0	100000.0
39	Q1060K3	10996.00	FBI1 .A39	100.0	100000.0
40	Q1060L1	11969.00	FBI1 .A40	100.0	100000.0
41	Q1060L2	10956.00	FBI1 .A41	100.0	100000.0
42	Q1060L3	11627.00	FBI1 .A42	100.0	100000.0
43	Q1060M1	11748.00	FBI1 .A43	100.0	100000.0
44	Q1060M2	11898.00	FBI1 .A44	100.0	100000.0
45	Q1060M3	12549.00	FBI1 .A45	100.0	100000.0
46	Q1060N1	12729.00	FBI1 .A46	100.0	100000.0

47	Q1060N2	13710.00	FBI1	.A47	100.0	100000.0
48	Q1060N3	13285.00	FBI1	.A48	100.0	100000.0
49	Q1060O1	1179.00	FBI1	.A49	100.0	100000.0
50	Q1060O2	11761.00	FBI1	.A50	100.0	100000.0
51	Q1060O3	10408.00	FBI1	.A51	100.0	100000.0
52	Q1060P1	10799.00	FBI1	.A52	100.0	100000.0
53	Q1060P2	11085.00	FBI1	.A53	100.0	100000.0
54	Q1060P3	10760.00	FBI1	.A54	100.0	100000.0
55	Q1060Q1	11695.00	FBI1	.A55	100.0	100000.0
56	Q1060Q2	11502.00	FBI1	.A56	100.0	100000.0
57	Q1060Q3	11926.00	FBI1	.A57	100.0	100000.0
58	Q1060R1	8827.00	FBI1	.A58	100.0	100000.0
59	Q1060R2	8235.00	FBI1	.A59	100.0	100000.0
60	Q1060R3	8048.00	FBI1	.A60	100.0	100000.0
61	Q1060S1	11324.00	FBI1	.A61	100.0	100000.0
62	Q1060S2	11393.00	FBI1	.A62	100.0	100000.0
63	Q1060S3	11197.00	FBI1	.A63	100.0	100000.0
64	Q1060T1	10723.00	FBI1	.A64	100.0	100000.0
65	Q1060T2	10855.00	FBI1	.A65	100.0	100000.0
66	Q1060T3	10874.00	FBI1	.A66	100.0	100000.0
67	Q1060U1	13105.00	FBI1	.A67	100.0	100000.0
68	Q1060U2	11965.00	FBI1	.A68	100.0	100000.0
69	Q1060U3	12804.00	FBI1	.A69	100.0	100000.0
70	Q1060V1	12518.00	FBI1	.A70	100.0	100000.0
71	Q1060V2	12324.00	FBI1	.A71	100.0	100000.0
72	Q1060V3	12524.00	FBI1	.A72	100.0	100000.0
73	Q1060W1	10673.00	FBI1	.A73	100.0	100000.0
74	Q1060W2	11003.00	FBI1	.A74	100.0	100000.0
75	Q1060W3	10152.00	FBI1	.A75	100.0	100000.0
76	Q1060X1	12549.00	FBI1	.A76	100.0	100000.0
77	Q1060X2	11889.00	FBI1	.A77	100.0	100000.0
78	Q1060X3	12213.00	FBI1	.A78	100.0	100000.0
79	Q1060Y1	7893.00	FBI1	.A79	100.0	100000.0
80	Q1060Y2	8924.00	FBI1	.A80	100.0	100000.0
81	Q1060Z1	9868.00	FBI1	.A81	100.0	100000.0
82	Q1060Z2	10365.00	FBI1	.A82	100.0	100000.0
83	Q1060Z3	9897.00	FBI1	.A83	100.0	100000.0
84	Q1060AA1	12135.00	FBI1	.A84	100.0	100000.0
85	Q1060AA2	11744.00	FBI1	.A85	100.0	100000.0
86	Q1060AA3	12062.00	FBI1	.A86	100.0	100000.0
87	Q1060AB1	9064.00	FBI1	.A87	100.0	100000.0
88	Q1060AB2	9515.00	FBI1	.A88	100.0	100000.0
89	Q1060AB3	9040.00	FBI1	.A89	100.0	100000.0
90	Q1060AC1	12505.00	FBI1	.A90	100.0	100000.0
91	Q1060AC2	11547.00	FBI1	.A91	100.0	100000.0
92	Q1060AC3	12477.00	FBI1	.A92	100.0	100000.0
93	Q1060AD1	10774.00	FBI1	.A93	100.0	100000.0
94	Q1060AD2	10590.00	FBI1	.A94	100.0	100000.0
95	Q1060AD3	10021.00	FBI1	.A95	100.0	100000.0

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
SAMPLE IDENTIFICATION: S626A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 13252.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 20JUN80 1415:14 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 632. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	71890.	7.8000E-02	0.0000E-01	3.7641E-02	1.4448E-04
%-ANTIMONY	564.1	201285.	7.2000E-01	0.0000E-01	2.8201E-02	6.3274E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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21 JUN 1980 12:02:41 PM XX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
SAMPLE IDENTIFICATION: S626B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 12311.00 UNITS: UG
SAMPLE GEOMETRY: R14 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 20JUN80 1426:00 * FWHM(1332) . 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 629. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	63114.	7.8000E-02	0.0000E-01	3.5918E-02	1.4709E-04
%-ANTIMONY	564.1	177712.	7.2000E-01	0.0000E-01	2.6852E-02	6.4102E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: S626C
 TYPE OF SAMPLE: STANDARD
 SAMPLE QUANTITY: 11028.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 20JUN80 1436:43 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 626. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	57817.	7.8000E-02	0.0000E-01	3.7088E-02	1.5869E-04
%-ANTIMONY	564.1	1.61555.	7.2000E-01	0.0000E-01	2.7303E-02	6.8343E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
SAMPLE IDENTIFICATION: S604A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 14229.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 20JUN80 1447:22 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 682. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	7655.	1.0000E-01	0.0000E-01	5.2612E-03	7.0114E-05

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
SAMPLE IDENTIFICATION: S604B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 12788.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 20JUN80 1458:58 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 671. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBKATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	6687.	1.0000E-01	0.0000E-01	5.1397E-03	7.2466E-05

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21 JUN 1980 12:05:30 PM
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
SAMPLE IDENTIFICATION: S604C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 14408.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

XX
*
ACQUISITION DATE: 20JUN80 1510:21 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 681. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

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*
DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	7435.	1.0000E-01	0.0000E-01	5.0977E-03	6.8786E-05

SUMMARY OF STANDARD CONSTANTS:

1. ELEMENT Z-COPPER AT 511.00 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.8000E-02	3.7641E-02	1.4448E-04
S626B	7.8000E-02	3.5918E-02	1.4709E-04
S626C	7.8000E-02	3.7088E-02	1.5869E-04
MEAN CONSTANT, 3 STDS:		3.6882E-02	8.6440E-05

2. ELEMENT Z-ANTIMONY AT 564.09 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.2000E-01	2.8201E-02	6.3274E-05
S626B	7.2000E-01	2.6852E-02	6.4102E-05
S626C	7.2000E-01	2.7303E-02	6.8343E-05
MEAN CONSTANT, 3 STDS:		2.7465E-02	3.7603E-05

3. ELEMENT Z-ARSENIC AT 657.41 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S604A	1.0000E-01	5.2612E-03	7.0114E-05
S604B	1.0000E-01	5.1397E-03	7.2466E-05
S604C	1.0000E-01	5.0977E-03	6.8786E-05
MEAN CONSTANT, 3 STDS:		5.1659E-03	4.0649E-05

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: S626A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13252.00 UNITS: UG
 SAMPLE GEOMETRY: R14 5MLN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1415:14 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 632. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	386.	400.	426.	441.	517.	572.	674.	938.	1216.
1018:	1914.	3333.	5907.	10013.	13756.	15059.	13455.	10028.	5800.
1027:	3113.	1581.	1010.	592.	452.	370.	322.	293.	303.

% COPPER 511.0 KEV 0.0796

1117:	576.	874.	1222.	1149.	915.	801.	925.	1166.	1596.
1126:	3779.	13554.	40920.	66590.	53381.	20522.	3876.	635.	326.
1135:	209.	230.	193.	184.	180.	174.	137.	127.	134.

% ANTIMONY 564.0 KEV 0.7393

1301:	101.	88.	92.	71.	86.	65.	66.	85.	71.
1310:	76.	94.	79.	88.	123.	154.	165.	105.	70.
1319:	84.	73.	75.	73.	97.	62.	77.	75.	74.

% ARSENIC 657.4 KEV 0.0034

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	2128.	71890.	0.0796	0.0004	0.4
%-ANTIMONY	564.1	1337.	201285.	0.7393	0.0019	0.3
%-ARSENIC	657.4	393.	242.	0.0034	0.0005	13.3

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: S6268
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12311.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1426:00 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 629. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	354.	355.	376.	438.	416.	500.	582.	789.	1074.
1018:	1714.	2758.	5219.	8676.	11830.	13187.	11889.	9034.	5122.
1027:	2612.	1393.	827.	513.	395.	304.	249.	250.	213.

% COPPER 511.1 ± 0.0 KEV 0.0760

1117:	493.	801.	1056.	1005.	789.	755.	844.	1021.	1438.
1126:	3083.	11394.	35052.	58888.	48484.	18416.	3525.	511.	244.
1135:	213.	200.	179.	160.	120.	143.	108.	111.	107.

% ANTIMONY 564.1 ± 0.0 KEV 0.7039

1301:	70.	80.	88.	72.	67.	55.	64.	55.	61.
1310:	76.	65.	75.	76.	110.	116.	103.	97.	70.
1319:	63.	63.	64.	48.	57.	54.	70.	72.	55.

% ARSENIC 657.4 ± 0.0 KEV 0.0026

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1843.	63114.	0.0760	0.0004	0.5
%-ANTIMONY	564.1	1130.	177712.	0.7039	0.0019	0.3
%-ARSENIC	657.4	332.	170.	0.0026	0.0004	17.0

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: S626E
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11028.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1436:43 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 626. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	337.	332.	345.	386.	382.	455.	553.	716.	979.
1018:	1507.	2616.	4700.	8129.	10939.	12137.	10870.	8013.	4722.
1027:	2338.	1265.	705.	490.	329.	282.	255.	226.	200.

% COPPER 511.0 KEV 0.0784

1117:	459.	655.	987.	871.	717.	648.	765.	934.	1270.
1126:	2861.	10680.	32355.	53889.	43104.	16515.	3143.	460.	203.
1135:	154.	137.	146.	125.	116.	122.	102.	86.	107.

% ANTIMONY 564.0 KEV 0.7157

1301:	60.	70.	77.	55.	66.	55.	64.	54.	55.
1310:	65.	46.	46.	80.	89.	136.	87.	79.	59.
1319:	64.	64.	56.	41.	55.	67.	58.	48.	58.

% ARSENIC 657.4 KEV 0.0030

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1693.	57817.	0.0784	0.0004	0.5
%-ANTIMONY	564.1	992.	161555.	0.7157	0.0020	0.3
%-ARSENIC	657.4	296.	175.	0.0030	0.0003	15.8

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: S604A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14229.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1447:22 * FWHM(133Z) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 682. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	874.	882.	898.	828.	935.	880.	908.	922.	886.
1018:	1016.	1122.	1440.	1845.	2049.	2230.	1981.	1646.	1272.
1027:	1064.	877.	850.	860.	832.	793.	805.	738.	778.

% COPPER 511.1 . 00 KEV 0 . 0070

1117:	7612.	18614.	26495.	19606.	8445.	3597.	3012.	3579.	5572.
1126:	14491.	51990.	133165.	183876.	126730.	44452.	9393.	2678.	1554.
1135:	1204.	1072.	931.	788.	720.	737.	656.	661.	726.

% ANTIMONY 564 . 05 KEV 1 . 9251

1301:	280.	294.	302.	332.	311.	245.	297.	296.	299.
1310:	322.	349.	531.	1171.	2368.	2773.	1915.	804.	375.
1319:	255.	286.	307.	238.	254.	263.	252.	261.	240.

% ARSENIC 657 . 40 KEV 0 . 1018

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	5878.	6585.	0.0070	0.0001	2.1
%-ANTIMONY	564.1	4559.	559538.	1.9251	0.0037	0.2
%-ARSENIC	657.4	1376.	7655.	0.1018	0.0016	1.5

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: S6048
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12788.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1458:58 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 671. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	760.	760.	750.	766.	687.	726.	768.	817.	794.
1018:	846.	1027.	1208.	1565.	1846.	1929.	1687.	1472.	1069.
1027:	820.	728.	715.	662.	614.	690.	648.	667.	685.

% COPPER 511.0 KEV 0.0069

1117:	6319.	15831.	23287.	17693.	7613.	3205.	2639.	3242.	4715.
1126:	11772.	43149.	113744.	162678.	116246.	40413.	8499.	2182.	1140.
1135:	947.	801.	664.	675.	601.	521.	535.	551.	513.

% ANTIMONY 564.1 KEV 1.8902

1301:	247.	218.	260.	254.	229.	219.	223.	222.	244.
1310:	252.	258.	406.	978.	1867.	2411.	1757.	775.	335.
1319:	242.	217.	196.	226.	219.	177.	203.	197.	197.

% ARSENIC 657.4 KEV 0.0995

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	4987.	5789.	0.0069	0.0002	2.2
%-ANTIMONY	564.1	3731.	492770.	1.8902	0.0037	0.2
%-ARSENIC	657.4	1101.	6687.	0.0995	0.0016	1.6

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 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:10:59 PM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: S604C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14408.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1510:21 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 681. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	817.	828.	845.	869.	826.	807.	834.	816.	890.
1018:	967.	1142.	1355.	1797.	2029.	2129.	1932.	1585.	1221.
1027:	1018.	888.	846.	784.	764.	751.	791.	775.	768.

% COPPER 511.1 + 10 KEV 0.00513

1117:	7573.	18515.	26034.	19416.	8343.	3689.	3034.	3637.	5467.
1126:	14324.	51671.	132035.	182889.	126462.	44613.	9568.	2636.	1565.
1135:	1217.	1056.	904.	825.	713.	670.	681.	680.	645.

% ANTIMONY 564.1 + 10 KEV 1.5004

1301:	310.	291.	307.	313.	268.	255.	240.	268.	294.
1310:	272.	327.	541.	1131.	2273.	2702.	1820.	824.	388.
1319:	273.	276.	246.	275.	225.	223.	232.	241.	266.

% ARSENIC 657.4 + 10 KEV 0.0017

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	5667.	6381.	0.0068	0.0001	2.1
%-ANTIMONY	564.1	4524.	557038.	1.9004	0.0037	0.2
%-ARSENIC	657.4	1315.	7435.	0.0987	0.0015	1.6

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:11:54 PM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060A1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9553.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1521:56 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	256.	238.	259.	282.	333.	391.	446.	602.	844.
1018:	1362.	2356.	4309.	7171.	9627.	11074.	9737.	7065.	4124.
1027:	2023.	1113.	654.	374.	280.	214.	179.	166.	164.

% COPPER 511.1 ± 0.0 KEV 0.0846

1117:	333.	531.	696.	685.	546.	495.	567.	695.	995.
1126:	2199.	8083.	23906.	39910.	31997.	12084.	2193.	325.	131.
1135:	102.	88.	100.	79.	77.	74.	84.	79.	83.

% ANTIMONY 564.1 ± 0.5 KEV 0.6171

1301:	35.	40.	30.	47.	36.	41.	38.	35.	32.
1310:	36.	34.	39.	51.	74.	92.	94.	63.	38.
1319:	41.	40.	37.	30.	28.	45.	44.	44.	39.

% ARSENIC 657.4 ± 0.0 KEV 0.0037

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1259.	51848.	0.0846	0.0004	0.5
%-ANTIMONY	564.1	683.	119690.	0.6171	0.0020	0.3
%-ARSENIC	657.4	193.	182.	0.0037	0.0005	13.1

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:12:49 PM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: U1060A2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10674.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1532:30 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	211.	268.	278.	266.	353.	400.	455.	619.	923.
1018:	1459.	2574.	4483.	7450.	10125.	11191.	9982.	7286.	4272.
1027:	2122.	1100.	680.	440.	271.	219.	197.	171.	159.

% COPPER 511.1 + 0.0 KEV 0 + 0.787

1117:	333.	553.	715.	740.	531.	489.	599.	720.	1056.
1126:	2412.	8756.	26117.	41727.	32692.	12044.	2205.	322.	127.
1135:	110.	91.	102.	93.	90.	79.	84.	78.	76.

% ANTIMONY 564.1 + 0.5 KEV 0 + 5.786

1301:	42.	46.	39.	59.	53.	44.	38.	46.	45.
1310:	37.	35.	59.	62.	64.	88.	54.	40.	47.
1319:	47.	39.	41.	44.	44.	42.	39.	42.	45.

% ARSENIC 657.4 + 4.0 KEV 0 + 0.018

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1399.	53390.	0.0787	0.0004	0.5
%-ANTIMONY	564.1	788.	125166.	0.5786	0.0018	0.3
%-ARSENIC	657.4	226.	101.	0.0018	0.0004	23.3

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:13:44 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060A3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10783.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1543:05 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	259.	226.	292.	268.	329.	395.	416.	599.	919.
1018:	1398.	2473.	4399.	7263.	9837.	10909.	9751.	7299.	4226.
1027:	2118.	1071.	636.	405.	280.	203.	173.	161.	162.

% COPPER 511.0 ± 0.0 KEV 0 ± 0.0071

1117:	363.	497.	720.	702.	552.	514.	594.	711.	953.
1126:	2266.	8439.	24789.	40730.	32701.	12408.	2283.	283.	115.
1135:	113.	86.	88.	70.	64.	78.	65.	78.	69.

% ANTIMONY 564.0 ± 0.9 KEV 0 ± 5.634

1301:	33.	45.	44.	60.	45.	44.	34.	32.	45.
1310:	34.	40.	35.	42.	55.	68.	73.	58.	29.
1319:	33.	37.	38.	36.	43.	33.	27.	41.	41.

% ARSENIC 657.4 ± 4.0 KEV 0 ± 0.0125

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1316.	52368.	0.0771	0.0004	0.5
%-ANTIMONY	564.1	728.	122888.	0.5634	0.0018	0.3
%-ARSENIC	657.4	209.	87.	0.0016	0.0004	25.8

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060B1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11772.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1553:40 * FWHM(1332) 2.004
 PRESET TIME(LIVE): .600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 626. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	292.	340.	321.	332.	364.	419.	454.	602.	852.
1018:	1255.	2112.	3765.	6109.	8422.	9202.	8375.	6217.	3668.
1027:	1886.	1021.	675.	417.	332.	257.	257.	220.	247.

% COPPER 511.0 KEV 0.0600

1117:	385.	483.	563.	587.	586.	693.	857.	1024.	1508.
1126:	3392.	12812.	38101.	61531.	47700.	17825.	3232.	490.	205.
1135:	181.	151.	160.	127.	136.	113.	102.	93.	102.

% ANTIMONY 564.0 KEV 0.7723

1301:	58.	55.	73.	55.	58.	59.	64.	64.	53.
1310:	59.	53.	61.	70.	62.	78.	51.	70.	42.
1319:	66.	52.	62.	47.	46.	46.	58.	53.	48.

% ARSENIC 657.40 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1703.	44055.	0.0600	0.0003	0.5
%-ANTIMONY	564.1	1030.	183563.	0.7723	0.0021	0.3
%-ARSENIC	657.4	275.	30. <	0.0013	NOT DETECTABLE	

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060E2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11819.00 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1604:19 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 626. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	282.	313.	332.	324.	325.	426.	509.	594.	817.
1018:	1223.	2056.	3714.	6047.	8321.	8779.	7857.	5584.	3371.
1027:	1753.	984.	578.	399.	308.	262.	226.	229.	210.

% COPPER 511.1 - 0.0 KEV 0.0575

1117:	389.	477.	551.	600.	661.	718.	786.	1015.	1526.
1126:	3388.	12824.	37554.	59640.	46131.	17075.	3052.	458.	210.
1135:	158.	153.	155.	131.	126.	120.	102.	104.	108.

% ANTIMONY 564.1 - 0.0 KEV 0.7501

1301:	57.	48.	64.	68.	59.	55.	50.	54.	52.
1310:	44.	50.	39.	59.	63.	65.	72.	64.	56.
1319:	51.	63.	58.	59.	61.	63.	46.	57.	54.

% ARSENIC 657.4 - 0.0 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1679.	41994.	0.0575	0.0003	0.6
%-ANTIMONY	564.1	1009.	178655.	0.7501	0.0021	0.3
%-ARSENIC	657.4	290.	33. <	0.0014	NOT DETECTABLE	

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060B3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11568.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MLN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1614:58 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 625. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	277.	303.	295.	319.	323.	364.	450.	567.	800.
1018:	1165.	1942.	3491.	5749.	7760.	8368.	7465.	5690.	3177.
1027:	1638.	932.	616.	439.	286.	253.	193.	228.	209.

% COPPER 511.0 UG KEV 0.0566

1117:	366.	457.	492.	541.	579.	611.	768.	954.	1406.
1126:	3153.	11938.	35776.	57566.	45012.	16813.	3045.	454.	197.
1135:	147.	117.	116.	108.	101.	112.	99.	90.	89.

% ANTIMONY 564.1 UG KEV 0.7407

1301:	63.	67.	66.	53.	58.	50.	48.	51.	48.
1310:	43.	47.	54.	49.	58.	51.	67.	50.	48.
1319:	46.	50.	43.	48.	44.	43.	46.	53.	47.

% ARSENIC 657.4 UG KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1619.	40081.	0.0566	0.0003	0.6
%-ANTIMONY	564.1	941.	172362.	0.7407	0.0021	0.3
%-ARSENIC	657.4	264.	15. <	0.0013	NOT DETECTABLE	

XX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060C1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11364.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1625:36 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	286.	297.	299.	293.	333.	385.	522.	688.	930.
1018:	1565.	2584.	4757.	7830.	10752.	11647.	10481.	7740.	4607.
1027:	2319.	1259.	740.	479.	326.	217.	231.	203.	205.

% COPPER 511.0 KEV 0.0819

1117:	377.	584.	766.	757.	600.	538.	619.	743.	1101.
1126:	2521.	9238.	27863.	45456.	36217.	13650.	2483.	386.	126.
1135:	130.	125.	114.	92.	90.	82.	85.	81.	79.

% ANTIMONY 564.1 KEV 0.5988

1301:	43.	48.	59.	44.	54.	48.	53.	47.	46.
1310:	45.	43.	47.	68.	64.	102.	95.	55.	56.
1319:	52.	42.	44.	42.	40.	44.	47.	36.	42.

% ARSENIC 657.4 KEV 0.0027

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1451.	56363.	0.0819	0.0004	0.5
%-ANTIMONY	564.1	813.	136615.	0.5988	0.0018	0.3
%-ARSENIC	657.4	231.	153.	0.0027	0.0004	16.2

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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060CZ
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11579.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1636:11 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	278.	327.	286.	321.	340.	386.	467.	641.	999.
1018:	1457.	2584.	4560.	7666.	10409.	11360.	10095.	7471.	4475.
1027:	2292.	1172.	709.	430.	279.	229.	201.	169.	168.

% COPPER 511.0 KEV 0.0787

1117:	387.	554.	772.	738.	561.	509.	648.	728.	1070.
1126:	2499.	9162.	27126.	44362.	35272.	13263.	2312.	314.	150.
1135:	123.	125.	106.	81.	87.	77.	80.	89.	92.

% ANTIMONY 564.0 KEV 0.5738

1301:	32.	45.	60.	46.	47.	45.	45.	42.	43.
1310:	44.	44.	43.	57.	76.	97.	86.	63.	42.
1319:	43.	45.	38.	29.	42.	36.	44.	39.	45.

% ARSENIC 657.4 KEV 0.0028

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1354.	54682.	0.0787	0.0004	0.5
%-ANTIMONY	564.1	846.	133150.	0.5738	0.0018	0.3
%-ARSENIC	657.4	217.	163.	0.0028	0.0004	15.0

XX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060C3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11048.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1646:47 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *
 XXX

1009:	227.	293.	283.	291.	326.	396.	450.	602.	879.
1018:	1433.	2466.	4418.	7159.	9700.	10763.	9687.	7036.	4156.
1027:	2011.	1035.	681.	370.	269.	229.	215.	176.	165.

% COPPER 511.0 KEV 0.0785

1117:	328.	531.	747.	706.	535.	512.	552.	684.	978.
1126:	2382.	8663.	25915.	41816.	32809.	12141.	2158.	281.	143.
1135:	105.	107.	90.	93.	74.	95.	76.	70.	70.

% ANTIMONY 564.1 KEV 0.5664

1301:	52.	42.	51.	50.	49.	41.	38.	44.	45.
1310:	55.	32.	54.	66.	81.	74.	69.	50.	52.
1319:	38.	41.	31.	34.	43.	46.	31.	29.	55.

% ARSENIC 657.4 KEV 0.0025

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1373.	51546.	0.0785	0.0004	0.3
%-ANTIMONY	564.1	725.	125159.	0.5664	0.0018	0.3
%-ARSENIC	657.4	208.	136.	0.0025	0.0004	17.3

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:20:10 PM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060D1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11744.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1657:21 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 626. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	299.	293.	313.	298.	332.	359.	516.	559.	813.
1018:	1245.	2040.	3636.	5848.	7881.	8604.	7780.	5710.	3387.
1027:	1694.	938.	581.	410.	311.	239.	221.	217.	226.

% COPPER 511.0 KEV 0.0594

1117:	391.	433.	571.	591.	635.	706.	820.	1017.	1483.
1126:	3471.	13243.	38499.	61452.	48156.	17724.	3316.	479.	191.
1135:	162.	166.	121.	128.	113.	102.	103.	92.	89.

% ANTIMONY 564.0 KEV 0.7885

1301:	66.	58.	64.	56.	51.	56.	49.	53.	61.
1310:	47.	48.	40.	55.	61.	59.	54.	42.	59.
1319:	40.	42.	48.	57.	55.	47.	48.	52.	41.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1743.	41103.	0.0594	0.0003	0.6
%-ANTIMONY	564.1	991.	184870.	0.7885	0.0021	0.3
%-ARSENIC	657.4	272.	3. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:21:06 PM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060D2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11903.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1708:00 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 626. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	308.	302.	314.	329.	361.	395.	451.	596.	802.
1018:	1176.	1930.	3473.	5742.	7684.	8264.	7584.	5770.	3439.
1027:	1707.	975.	632.	422.	313.	282.	231.	230.	182.

% COPPER 511.1 ± 0.0 KEV 0.0580

1117:	413.	431.	534.	551.	606.	729.	851.	1083.	1450.
1126:	3265.	12250.	37136.	60615.	48834.	18739.	3518.	494.	200.
1135:	181.	168.	125.	117.	111.	94.	92.	85.	106.

% ANTIMONY 564.1 ± 0.3 KEV 0.7727

1301:	44.	44.	48.	75.	58.	49.	58.	49.	57.
1310:	55.	64.	65.	53.	64.	54.	58.	46.	53.
1319:	50.	56.	56.	59.	57.	49.	58.	53.	62.

% ARSENIC 657.4 ± 0.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1677.	40280.	0.0580	0.0003	0.6
%-ANTIMONY	564.1	1072.	183285.	0.7727	0.0021	0.3
%-ARSENIC	657.4	275.	25. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:22:01 PM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060D3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11237.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1718:39 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 624. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	285.	305.	322.	313.	327.	349.	423.	533.	705.
1018:	1149.	1982.	3441.	5477.	7257.	7865.	7202.	5323.	3220.
1027:	1675.	918.	549.	400.	286.	243.	259.	226.	230.

% COPPER 511.1 ± 10.0 KEV 0.0587

1117:	340.	433.	505.	533.	575.	653.	765.	936.	1409.
1126:	3133.	11763.	35696.	57909.	46060.	17365.	3180.	442.	180.
1135:	165.	148.	121.	137.	88.	94.	101.	94.	77.

% ANTIMONY 564.1 ± 10.5 KEV 0.7791

1301:	41.	66.	57.	49.	55.	59.	41.	37.	59.
1310:	40.	39.	49.	52.	58.	66.	57.	69.	51.
1319:	38.	54.	53.	62.	55.	44.	56.	45.	54.

% ARSENIC 657.4 ± 10.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1679.	38106.	0.0587	0.0003	0.6
%-ANTIMONY	564.1	984.	174123.	0.7791	0.0022	0.3
%-ARSENIC	657.4	274.	28. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:22:56 PM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060E1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10503.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1729:17 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 622. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	273.	255.	267.	299.	303.	305.	415.	523.	715.
1018:	1015.	1714.	3041.	5129.	6966.	7667.	6838.	4988.	3043.
1027:	1493.	843.	501.	360.	289.	194.	208.	200.	210.

% COPPER 511.0 KEV 0.0604

1117:	363.	388.	444.	496.	581.	625.	681.	904.	1246.
1126:	2820.	10779.	31988.	52642.	42099.	15582.	2834.	406.	180.
1135:	145.	103.	100.	103.	107.	58.	89.	81.	82.

% ANTIMONY 564.0 KEV 0.7572

1301:	50.	47.	50.	49.	38.	45.	30.	46.	45.
1310:	35.	38.	53.	34.	41.	51.	41.	42.	37.
1319:	37.	39.	28.	39.	37.	37.	53.	37.	44.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1410.	36262.	0.0604	0.0004	0.6
%-ANTIMONY	564.1	856.	157888.	0.7572	0.0022	0.3
%-ARSENIC	657.4	216.	4. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:23:51 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060E2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11297.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1739:51 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 624. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	260.	275.	316.	324.	311.	361.	402.	588.	746.
1018:	1128.	1851.	3287.	5420.	7088.	7929.	7272.	5286.	3126.
1027:	1595.	870.	530.	429.	297.	229.	219.	232.	200.

% COPPER 511.1 + 0.0 KEV 0.0591

1117:	350.	422.	486.	499.	600.	648.	763.	914.	1349.
1126:	3173.	11542.	34301.	55510.	44115.	16542.	3099.	446.	185.
1135:	158.	133.	117.	117.	104.	85.	89.	83.	92.

% ANTIMONY 564.1 + 0.5 KEV 0.7476

1301:	70.	56.	58.	47.	63.	42.	37.	42.	35.
1310:	47.	50.	53.	38.	51.	53.	52.	54.	58.
1319:	51.	46.	47.	48.	45.	47.	47.	45.	41.

% ARSENIC 657.4 + 0.4 KEV < 0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1593.	37816.	0.0591	0.0003	0.6
%-ANTIMONY	564.1	937.	167345.	0.7476	0.0021	0.3
%-ARSENIC	657.4	249.	19. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:24:46 PM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060E3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10199.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1750:30 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	231.	211.	232.	256.	269.	321.	352.	458.	631.
1018:	973.	1498.	2808.	4361.	6021.	6625.	6153.	4532.	2759.
1027:	1347.	797.	447.	301.	218.	235.	178.	197.	180.

% COPPER 511.0 KEV 0.0557

1117:	308.	370.	433.	475.	471.	559.	671.	759.	1086.
1126:	2529.	9386.	28560.	47284.	38059.	14444.	2676.	367.	163.
1135:	112.	105.	102.	93.	83.	80.	67.	75.	77.

% ANTIMONY 564.0 KEV 0.7047

1301:	44.	55.	30.	46.	37.	43.	42.	40.	50.
1310:	30.	42.	57.	34.	44.	54.	42.	41.	31.
1319:	54.	53.	29.	35.	42.	40.	30.	32.	48.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1385.	318/4.	0.0557	0.0004	0.6
%-ANTIMONY	564.1	781.	142158.	0.7047	0.0021	0.3
%-ARSENIC	657.4	195.	12. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:25:41 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060F1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13344.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1801:05 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 630. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	357.	339.	366.	358.	412.	452.	517.	697.	900.
1018:	1401.	2339.	4075.	6424.	8976.	9598.	8555.	6332.	3724.
1027:	2007.	1120.	696.	493.	353.	298.	273.	269.	231.

% COPPER 511.0 KEV 0.0616

1117:	463.	537.	602.	687.	719.	804.	900.	1167.	1626.
1126:	3949.	15110.	44202.	70559.	54886.	19979.	3699.	564.	227.
1135:	185.	214.	172.	157.	173.	124.	128.	139.	115.

% ANTIMONY 564.1 KEV 0.8018

1301:	71.	81.	67.	67.	77.	69.	64.	50.	51.
1310:	59.	72.	62.	63.	68.	80.	75.	59.	63.
1319:	67.	54.	54.	88.	71.	54.	62.	62.	52.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	2022.	45662.	0.0616	0.0003	0.5
%-ANTIMONY	564.1	1176.	211208.	0.8018	0.0021	0.3
%-ARSENIC	657.4	349.	-1. <	0.0014	NOT DETECTABLE	

XX
 XX
 XX
 XX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060F2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12786.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1811:49 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 629. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	337.	341.	343.	388.	395.	437.	540.	650.	891.
1018:	1312.	2114.	3911.	6360.	8515.	9447.	8373.	6140.	3755.
1027:	1945.	1070.	617.	482.	356.	273.	243.	236.	239.

% COPPER 511.0 - 100 KEV 0.0634

1117:	475.	519.	589.	629.	660.	784.	965.	1150.	1670.
1126:	3918.	14432.	42784.	68500.	52712.	19373.	3663.	535.	254.
1135:	219.	202.	166.	145.	149.	138.	127.	116.	128.

% ANTIMONY 564.1 - 100 KEV 0.0021

1301:	61.	77.	61.	65.	59.	68.	71.	55.	62.
1310:	59.	75.	69.	81.	66.	75.	74.	72.	52.
1319:	52.	65.	58.	55.	71.	54.	56.	52.	70.

% ARSENIC 657.4 - 100 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1891.	44610.	0.0634	0.0003	0.5
%-ANTIMONY	564.1	1170.	204212.	0.8106	0.0021	0.3
%-ARSENIC	657.4	309.	41. <	0.0014	NOT DETECTABLE	

XX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060F3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13153.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1822:31 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 630. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	357.	353.	343.	376.	368.	429.	521.	692.	913.
1018:	1348.	2265.	4306.	6498.	8779.	9661.	8531.	6399.	3727.
1027:	1899.	1079.	685.	475.	358.	301.	265.	252.	231.

% COPPER 511.1 ± 0.0 KEV 0.0641

1117:	413.	540.	653.	709.	699.	791.	971.	1202.	1680.
1126:	4010.	14833.	43787.	69307.	53291.	19796.	3662.	583.	253.
1135:	227.	199.	187.	155.	163.	132.	121.	110.	125.

% ANTIMONY 564.1 ± 0.5 KEV 0.8021

1301:	79.	58.	70.	71.	61.	63.	65.	82.	72.
1310:	61.	55.	60.	66.	59.	67.	66.	65.	53.
1319:	47.	55.	73.	66.	58.	61.	73.	64.	66.

% ARSENIC 657.4 ± 0.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1956.	45945.	0.0641	0.0003	0.5
%-ANTIMONY	564.1	1223.	207463.	0.8021	0.0021	0.3
%-ARSENIC	657.4	323.	0. <	0.0014	NOT DETECTABLE	

XX
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 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060G1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11680.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1833:18 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	263.	272.	300.	312.	363.	412.	537.	683.	1072.
1018:	1718.	2900.	5282.	8718.	11606.	12778.	11502.	8447.	4894.
1027:	2490.	1276.	693.	498.	317.	216.	187.	163.	187.

% COPPER 511.0 0.0982 0.0005

1117:	382.	743.	1122.	1013.	632.	471.	530.	645.	925.
1126:	2140.	7962.	23563.	38184.	29711.	10828.	2061.	296.	119.
1135:	102.	91.	85.	77.	74.	78.	64.	68.	69.

% ANTIMONY 564.1 0.4962 0.0016

1301:	43.	48.	43.	40.	33.	45.	41.	43.	51.
1310:	35.	46.	52.	71.	80.	109.	104.	58.	38.
1319:	36.	48.	41.	34.	37.	38.	37.	34.	38.

% ARSENIC 657.4 0.0041 0.0004

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1299.	61928.	0.0982	0.0005	0.5
%-ANTIMONY	564.1	678.	113771.	0.4962	0.0016	0.3
%-ARSENIC	657.4	195.	227.	0.0041	0.0004	10.9

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:29:22 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060G2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12001.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1843:53 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	259.	275.	283.	286.	332.	390.	494.	688.	1032.
1018:	1649.	2845.	5143.	8669.	11658.	12847.	11457.	8426.	5061.
1027:	2399.	1299.	713.	450.	293.	253.	176.	160.	160.

% COPPER 511.0 KEV 0.0967

1117:	382.	748.	1079.	1003.	655.	443.	548.	690.	892.
1126:	1991.	8010.	23652.	38016.	29658.	11195.	2033.	289.	113.
1135:	106.	89.	99.	83.	76.	74.	65.	73.	58.

% ANTIMONY 564.1 KEV 0.4843

1301:	45.	51.	30.	47.	35.	38.	37.	37.	47.
1310:	33.	32.	48.	57.	109.	133.	105.	59.	50.
1319:	31.	31.	38.	38.	41.	34.	26.	45.	39.

% ARSENIC 657.4 KEV 0.0047

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1224.	62037.	0.0967	0.0005	0.5
%-ANTIMONY	564.1	674.	113881.	0.4843	0.0016	0.3
%-ARSENIC	657.4	193.	271.	0.0047	0.0004	9.5

XX
 XXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:30:17 PM XXXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060G3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11891.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1854:27 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009: 260. 248. 284. 309. 366. 425. 454. 642. 1019.
 1018: 1545. 2750. 4981. 8179. 11217. 12111. 10985. 8167. 4758.
 1027: 2351. 1229. 757. 423. 298. 220. 183. 150. 125.

% COPPER 511.0 KEV 0.0938

1117: 388. 719. 1137. 948. 620. 487. 526. 609. 839.
 1126: 1933. 7492. 22375. 36800. 29325. 10888. 1994. 274. 97.
 1135: 100. 87. 95. 93. 83. 62. 60. 66. 59.

% ANTIMONY 564.0 KEV 0.4737

1301: 32. 41. 35. 41. 38. 38. 37. 33. 37.
 1310: 51. 38. 45. 49. 114. 106. 119. 57. 48.
 1319: 36. 45. 42. 31. 30. 36. 35. 31. 28.

% ARSENIC 657.4 KEV 0.0047

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1282.	59116.	0.0938	0.0005	0.5
%-ANTIMONY	564.1	654.	110153.	0.4737	0.0016	0.3
%-ARSENIC	657.4	178.	267.	0.0047	0.0004	9.4

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:31:13 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060H1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11973.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1904:58 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 625. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	283.	292.	277.	287.	292.	386.	418.	526.	666.
1018:	1083.	1773.	3164.	5120.	6636.	7451.	6818.	5043.	2941.
1027:	1548.	881.	528.	359.	289.	248.	212.	214.	200.

% COPPER 511.1 + 0.0 KEV 0.0567

1117:	355.	444.	506.	589.	565.	644.	805.	972.	1341.
1126:	3213.	12012.	35974.	58301.	45893.	16927.	3052.	455.	175.
1135:	160.	141.	134.	100.	120.	100.	92.	94.	83.

% ANTIMONY 564.1 + 0.7 KEV 0.7462

1301:	53.	51.	56.	66.	45.	62.	57.	51.	48.
1310:	52.	42.	48.	52.	64.	54.	62.	67.	51.
1319:	48.	50.	40.	49.	54.	50.	48.	37.	41.

% ARSENIC 657.4 + 4.0 KEV < 0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1572.	35601.	0.0567	0.0003	0.6
%-ANTIMONY	564.1	991.	174382.	0.7462	0.0021	0.3
%-ARSENIC	657.4	259.	40. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:32:08 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060H2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11919.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1915:37 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 625. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	291.	269.	298.	309.	353.	385.	438.	493.	720.
1018:	1092.	1712.	3090.	5147.	6909.	7625.	6805.	5025.	2990.
1027:	1564.	844.	525.	376.	305.	245.	241.	217.	216.

% COPPER 511.1 ± 0.0 KEV 0.0580

1117:	371.	458.	556.	512.	594.	650.	825.	999.	1369.
1126:	3187.	12346.	36458.	59311.	47148.	17344.	3200.	468.	177.
1135:	140.	140.	118.	131.	84.	121.	91.	93.	109.

% ANTIMONY 564.1 ± 0.5 KEV 0.7667

1301:	64.	51.	46.	49.	56.	40.	51.	50.	48.
1310:	44.	53.	59.	61.	55.	45.	51.	49.	55.
1319:	51.	47.	35.	43.	35.	53.	58.	45.	52.

% ARSENIC 657.4 ± 0.13 KEV <0.0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1676.	35915.	0.0580	0.0003	0.6
%-ANTIMONY	564.1	969.	178025.	0.7667	0.0021	0.3
%-ARSENIC	657.4	238.	34. <	0.0013	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:33:03 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060H3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11225.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 1926:15 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	298.	277.	281.	279.	283.	330.	328.	493.	712.
1018:	987.	1716.	2958.	4951.	6625.	7152.	6576.	4769.	2847.
1027:	1500.	778.	535.	339.	255.	234.	217.	213.	195.

% COPPER 511.0 KEV 0.0594

1117:	329.	419.	510.	492.	549.	636.	734.	968.	1298.
1126:	3226.	11738.	35219.	56712.	44386.	16551.	3061.	424.	180.
1135:	132.	120.	125.	93.	93.	100.	76.	84.	94.

% ANTIMONY 564.1 KEV 0.7786

1301:	68.	48.	66.	51.	51.	50.	54.	50.	49.
1310:	48.	33.	55.	33.	55.	59.	56.	53.	40.
1319:	47.	38.	37.	63.	52.	47.	50.	53.	40.

% ARSENIC 657.4 KEV <0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1566.	34312.	0.0594	0.0004	0.6
%-ANTIMONY	564.1	939.	169954.	0.7786	0.0022	0.3
%-ARSENIC	657.4	266.	-7. <	0.0015	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:33:59 PM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060I1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9427.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1936:54 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 619. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	205.	209.	210.	217.	236.	246.	302.	412.	531.
1018:	771.	1291.	2365.	3842.	5027.	5650.	5048.	3687.	2185.
1027:	1191.	616.	391.	270.	221.	185.	156.	165.	149.

% COPPER 511.0 KEV 0.0552

1117:	298.	326.	379.	407.	463.	516.	591.	764.	994.
1126:	2457.	9136.	27432.	45465.	35827.	13320.	2379.	282.	126.
1135:	114.	103.	86.	84.	70.	60.	54.	65.	61.

% ANTIMONY 564.1 KEV 0.7396

1301:	32.	41.	33.	53.	29.	31.	32.	34.	41.
1310:	35.	33.	32.	34.	40.	32.	53.	30.	33.
1319:	41.	37.	33.	35.	35.	27.	33.	36.	41.

% ARSENIC 657.4 KEV <0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1256.	26548.	0.0552	0.0004	0.7
%-ANTIMONY	564.1	697.	135320.	0.7396	0.0023	0.3
%-ARSENIC	657.4	177.	15. <	0.0015	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:34:54 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060I2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10385.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1947:25 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	197.	224.	267.	279.	266.	286.	310.	408.	514.
1018:	804.	1330.	2276.	3865.	5151.	5863.	5143.	3816.	2228.
1027:	1227.	651.	371.	324.	236.	217.	183.	157.	163.

% COPPER 511.1 . 00 KEV 0 . 05115

1117:	290.	324.	422.	452.	448.	498.	601.	795.	1105.
1126:	2549.	9587.	28413.	46472.	36820.	13772.	2486.	352.	122.
1135:	105.	97.	98.	81.	65.	79.	62.	69.	68.

% ANTIMONY 564.1 . 05 KEV 0 . 69225

1301:	54.	25.	40.	44.	38.	44.	43.	33.	44.
1310:	38.	37.	34.	41.	46.	59.	53.	42.	41.
1319:	39.	32.	47.	41.	31.	25.	31.	38.	30.

% ARSENIC 657.4 . 40 KEV <0 . 0013

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1266.	27076.	0.0516	0.0003	0.7
%-ANTIMONY	564.1	764.	139335.	0.6926	0.0021	0.3
%-ARSENIC	657.4	179.	62. <	0.0013	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:35:49 PM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060I3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9837.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 1958:01 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	190.	206.	209.	232.	225.	278.	309.	409.	516.
1018:	785.	1266.	2202.	3641.	4951.	5322.	4973.	3650.	2121.
1027:	1131.	636.	356.	292.	197.	161.	173.	131.	127.

% COPPER 511.0 KEV 0.0521

1117:	244.	364.	348.	377.	421.	482.	547.	719.	1092.
1126:	2433.	8902.	27107.	44182.	35065.	13356.	2351.	318.	116.
1135:	91.	76.	86.	82.	71.	59.	56.	74.	53.

% ANTIMONY 564.0 KEV 0.6978

1301:	45.	38.	51.	47.	42.	29.	30.	32.	31.
1310:	32.	27.	31.	29.	41.	41.	38.	36.	43.
1319:	43.	40.	35.	36.	29.	33.	25.	36.	27.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1219.	25641.	0.0521	0.0004	0.7
%-ANTIMONY	564.1	672.	132724.	0.6978	0.0021	0.3
%-ARSENIC	657.4	183.	16. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:36:45 PM XXXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060J1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8775.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 2008:31 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 616. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	173.	176.	203.	202.	211.	224.	299.	332.	483.
1018:	647.	1128.	1992.	3417.	4528.	4782.	4445.	3246.	2033.
1027:	996.	513.	363.	248.	188.	182.	153.	120.	129.

% COPPER 511.1 100 KEV 0.0538

1117:	251.	258.	318.	390.	386.	431.	515.	694.	929.
1126:	2100.	8043.	24728.	40754.	32588.	12076.	2167.	270.	98.
1135:	87.	87.	78.	78.	54.	55.	52.	52.	57.

% ANTIMONY 564.1 100 KEV 0.7193

1301:	45.	35.	33.	25.	43.	27.	29.	33.	43.
1310:	37.	30.	30.	34.	37.	29.	39.	27.	29.
1319:	26.	31.	37.	38.	30.	25.	26.	30.	24.

% ARSENIC 657.4 100 KEV <0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1070.	23373.	0.0538	0.0004	0.7
%-ANTIMONY	564.1	638.	121818.	0.7193	0.0023	0.3
%-ARSENIC	657.4	156.	13. <	0.0015	NOT DETECTABLE	

XX
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 XX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060J2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8272.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2019:02 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 616. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	197.	180.	178.	212.	228.	244.	255.	325.	469.
1018:	655.	1105.	2004.	3158.	4368.	4824.	4296.	3206.	1933.
1027:	933.	547.	337.	245.	157.	173.	137.	144.	126.

% COPPER 511.1 + 0.0 KEV 0.0558

1117:	233.	265.	379.	418.	387.	408.	523.	707.	978.
1126:	2128.	7964.	24007.	39630.	31255.	11463.	2110.	246.	83.
1135:	95.	82.	89.	63.	58.	51.	48.	53.	60.

% ANTIMONY 564.1 + 0.9 KEV 0.7400

1301:	23.	47.	37.	31.	38.	30.	45.	31.	28.
1310:	35.	35.	34.	40.	34.	38.	39.	35.	46.
1319:	28.	32.	36.	40.	37.	32.	32.	37.	29.

% ARSENIC 657.4 + 0.0 KEV < 0.0017

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1117.	22672.	0.0558	0.0004	0.7
%-ANTIMONY	564.1	628.	117929.	0.7400	0.0024	0.3
%-ARSENIC	657.4	181.	12. <	0.0017	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:38:35 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060J3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8302.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2029:33 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 616. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	166.	170.	205.	206.	219.	241.	279.	308.	453.
1018:	642.	1064.	2008.	3203.	4202.	4622.	4242.	3081.	1879.
1027:	951.	494.	304.	234.	190.	158.	122.	122.	137.

% COPPER: 511.1 . 0.0 KEV 0 . 0551

1117:	250.	288.	312.	366.	363.	460.	512.	631.	879.
1126:	2096.	7648.	23511.	38835.	31163.	11690.	2123.	230.	83.
1135:	87.	69.	59.	69.	69.	53.	54.	46.	51.

% ANTIMONY: 564.1 . 0.3 KEV 0 . 7297

1301:	18.	33.	39.	28.	34.	36.	23.	33.	32.
1310:	34.	32.	40.	28.	37.	30.	41.	35.	29.
1319:	32.	29.	34.	30.	32.	20.	36.	38.	20.

% ARSENIC: 657.4 . 4.0 KEV < 0 . 0016

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1016.	22221.	0.0551	0.0004	0.7
%-ANTIMONY	564.1	576.	116490.	0.7297	0.0024	0.3
%-ARSENIC	657.4	163.	13. <	0.0016	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:39:30 PM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060K1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11249.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 20JUN80 2040:04 * FWHM(133Z) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	260.	257.	267.	267.	298.	322.	374.	524.	813.
1018:	1141.	1968.	3634.	6066.	8024.	8859.	8054.	6014.	3477.
1027:	1766.	938.	585.	364.	266.	202.	162.	179.	163.

% COPPER 511.0 0.00 KEV 0.0791

1117:	297.	507.	720.	706.	520.	490.	577.	728.	1002.
1126:	2298.	8509.	25821.	41864.	33174.	12532.	2263.	355.	150.
1135:	120.	88.	95.	89.	98.	76.	68.	82.	78.

% ANTIMONY 564.0 0.05 KEV 0.5821

1301:	46.	50.	48.	52.	49.	39.	53.	47.	45.
1310:	51.	39.	59.	55.	79.	73.	87.	49.	45.
1319:	52.	43.	46.	36.	32.	40.	32.	41.	42.

% ARSENIC 657.4 0.40 KEV 0.0028

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1299.	42829.	0.0791	0.0004	0.6
%-ANTIMONY	564.1	772.	125679.	0.5821	0.0018	0.3
%-ARSENIC	657.4	210.	143.	0.0028	0.0005	16.5

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:40:25 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060K2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11725.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2050:39 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	265.	249.	256.	264.	292.	307.	392.	535.	769.
1018:	1128.	1885.	3558.	5962.	8143.	8954.	8160.	5917.	3562.
1027:	1832.	928.	549.	400.	260.	194.	159.	177.	174.

% COPPER 511.0 KEV 0.0768

1117:	328.	548.	702.	705.	516.	516.	595.	735.	975.
1126:	2311.	8616.	26092.	42675.	33524.	12612.	2282.	314.	132.
1135:	121.	113.	100.	92.	65.	74.	73.	84.	64.

% ANTIMONY 564.0 KEV 0.5670

1301:	47.	45.	58.	38.	45.	50.	40.	44.	45.
1310:	48.	30.	46.	46.	66.	85.	61.	42.	34.
1319:	51.	26.	38.	33.	28.	35.	44.	36.	45.

% ARSENIC 657.4 KEV 0.0019

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1285.	42972.	0.0768	0.0004	0.5
%-ANTIMONY	564.1	743.	127369.	0.5670	0.0018	0.3
%-ARSENIC	657.4	206.	98.	0.0019	0.0004	23.1

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:41:21 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060K3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10996.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2101:13 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 619. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	214.	230.	251.	251.	255.	286.	389.	498.	720.
1018:	1065.	1956.	3365.	5721.	7700.	8586.	7609.	5545.	3344.
1027:	1752.	865.	508.	367.	256.	192.	170.	167.	149.

% COPPER 511.1 + 0.0 KEV 0.0783

1117:	286.	502.	654.	628.	514.	475.	576.	694.	935.
1126:	2242.	8069.	24589.	40791.	32128.	12189.	2186.	310.	125.
1135:	129.	86.	103.	76.	63.	73.	82.	84.	80.

% ANTIMONY 564.1 + 0.5 KEV 0.5778

1301:	46.	50.	42.	57.	39.	49.	42.	52.	31.
1310:	36.	34.	49.	56.	64.	74.	68.	47.	45.
1319:	35.	39.	31.	37.	33.	31.	43.	43.	35.

% ARSENIC 657.4 + 0.0 KEV 0.0020

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1196.	40674.	0.0783	0.0004	0.6
%-ANTIMONY	564.1	711.	121483.	0.5778	0.0018	0.3
%-ARSENIC	657.4	212.	99.	0.0020	0.0003	23.1

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:42:16 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060L1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11969.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2111:47 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	232.	251.	275.	285.	345.	345.	515.	571.	933.
1018:	1375.	2388.	4306.	7273.	9700.	10682.	9672.	7076.	4175.
1027:	2162.	1021.	650.	398.	304.	241.	188.	176.	170.

% COPPER 511.0 0.0920 0.0005

1117:	400.	774.	1111.	1001.	635.	544.	612.	709.	1040.
1126:	2261.	8518.	25646.	41312.	33172.	12093.	2236.	286.	134.
1135:	110.	95.	82.	87.	80.	76.	67.	70.	85.

% ANTIMONY 564.1 0.5448 0.0017

1301:	43.	46.	50.	34.	42.	44.	43.	36.	41.
1310:	36.	41.	41.	69.	119.	137.	83.	63.	35.
1319:	35.	39.	34.	48.	51.	43.	37.	42.	46.

% ARSENIC 657.4 0.0047 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1348.	51537.	0.0920	0.0005	0.5
%-ANTIMONY	564.1	775.	124463.	0.5448	0.0017	0.3
%-ARSENIC	657.4	219.	253.	0.0047	0.0005	10.4

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:43:11 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060L2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10956.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2122:22 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	235.	211.	272.	242.	288.	314.	387.	544.	799.
1018:	1225.	2065.	3781.	6435.	8643.	9534.	8666.	6328.	3758.
1027:	1850.	958.	573.	361.	260.	192.	154.	150.	153.

% COPPER 511.1 ± 0.0 KEV 0.0903

1117:	342.	628.	957.	915.	565.	463.	507.	657.	872.
1126:	1925.	7591.	22069.	36745.	29218.	10862.	1935.	269.	141.
1135:	92.	87.	67.	54.	69.	69.	56.	55.	61.

% ANTIMONY 564.1 ± 0.5 KEV 0.5254

1301:	34.	40.	42.	43.	30.	39.	42.	53.	29.
1310:	40.	30.	26.	69.	90.	114.	100.	49.	37.
1319:	34.	37.	43.	30.	32.	40.	33.	29.	30.

% ARSENIC 657.4 ± 0.0 KEV 0.0050

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1266.	45879.	0.0903	0.0005	0.5
%-ANTIMONY	564.1	693.	109652.	0.5254	0.0018	0.3
%-ARSENIC	657.4	179.	243.	0.0050	0.0005	10.1

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:44:06 PM XXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: U1060L3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11627.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2132:53 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	263.	245.	258.	266.	285.	348.	433.	587.	828.
1018:	1332.	2296.	4044.	6856.	9318.	10218.	9215.	6643.	3767.
1027:	2028.	1042.	588.	382.	270.	209.	169.	155.	182.

% COPPER 511.0 + 0.0 KEV 0.0914

1117:	376.	707.	1029.	946.	616.	554.	510.	637.	959.
1126:	2255.	8232.	24188.	39407.	30847.	11728.	2026.	260.	136.
1135:	115.	103.	79.	104.	67.	76.	55.	56.	66.

% ANTIMONY 564.1 + 0.0 KEV 0.5336

1301:	44.	36.	48.	37.	52.	36.	35.	37.	42.
1310:	27.	47.	41.	48.	87.	118.	108.	58.	44.
1319:	37.	36.	35.	39.	33.	43.	41.	44.	41.

% ARSENIC 657.4 + 0.0 KEV 0.0042

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR:	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1245.	48816.	0.0914	0.0005	0.5
%-ANTIMONY	564.1	717.	117966.	0.5336	0.0017	0.3
%-ARSENIC	657.4	205.	214.	0.0042	0.0005	11.7

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:45:02 PM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060M1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11748.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2143:28 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	221.	252.	297.	260.	319.	308.	384.	487.	716.
1018:	1003.	1699.	3209.	4983.	6769.	7506.	6823.	5008.	2973.
1027:	1527.	816.	566.	361.	274.	193.	225.	183.	187.

% COPPER 511.0 KEV 0.0671

1117:	761.	1870.	2978.	2520.	1238.	631.	631.	802.	1078.
1126:	2686.	9720.	29611.	47689.	38041.	14056.	2541.	378.	113.
1135:	100.	114.	121.	112.	98.	74.	75.	87.	77.

% ANTIMONY 564.1 KEV 0.0435

1301:	50.	36.	56.	47.	60.	45.	46.	47.	42.
1310:	58.	50.	67.	131.	224.	327.	217.	143.	60.
1319:	51.	32.	45.	46.	54.	40.	46.	39.	40.

% ARSENIC 657.4 KEV 0.0156

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	1397.	35874.	0.0671	0.0004	0.6
%-ANTIMONY	564.1	860.	143484.	0.0435	0.0019	0.3
%-ARSENIC	657.4	235.	807.	0.0156	0.0007	4.5

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:45:57 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060M2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11898.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2154:03 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 622. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	241.	241.	244.	294.	327.	323.	389.	472.	704.
1018:	1036.	1749.	3046.	5050.	6908.	7497.	6775.	4885.	3015.
1027:	1517.	817.	526.	366.	289.	239.	175.	199.	205.

% COPPER 511.0 KEV 0.0665

1117:	759.	1919.	2999.	2501.	1275.	695.	649.	828.	1227.
1126:	2619.	9764.	29520.	48128.	37745.	14060.	2512.	343.	157.
1135:	136.	120.	102.	101.	102.	105.	96.	88.	92.

% ANTIMONY 564.1 KEV 0.6366

1301:	52.	57.	43.	51.	45.	45.	38.	58.	56.
1310:	54.	56.	56.	136.	209.	287.	289.	120.	62.
1319:	46.	44.	48.	44.	46.	50.	56.	62.	48.

% ARSENIC 657.4 KEV 0.0152

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1545.	35631.	0.0665	0.0004	0.6
%-ANTIMONY	564.1	856.	143492.	0.6366	0.0019	0.3
%-ARSENIC	657.4	250.	791.	0.0152	0.0007	4.6

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:46:52 PM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060M3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12549.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2204:38 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	267.	252.	278.	302.	301.	332.	421.	514.	733.
1018:	1061.	1827.	3220.	5228.	6933.	7826.	7090.	5289.	3078.
1027:	1542.	819.	536.	407.	249.	201.	210.	220.	182.

% COPPER 511.0 KEV 0.0664

1117:	814.	1896.	3024.	2622.	1360.	720.	694.	796.	1192.
1126:	2623.	10035.	30256.	50098.	39738.	15388.	2752.	425.	165.
1135:	117.	114.	115.	98.	98.	96.	92.	97.	90.

% ANTIMONY 564.0 KEV 0.6322

1301:	51.	56.	59.	65.	51.	47.	62.	55.	49.
1310:	35.	63.	66.	115.	244.	342.	262.	150.	69.
1319:	49.	47.	52.	49.	44.	44.	52.	49.	52.

% ARSENIC 657.4 KEV 0.0156

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1459.	37205.	0.0664	0.0004	0.6
%-ANTIMONY	564.1	890.	150000.	0.6322	0.0019	0.3
%-ARSENIC	657.4	258.	855.	0.0156	0.0007	4.4

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:47:47 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060N1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12729.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2215:13 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	246.	261.	269.	291.	273.	345.	388.	569.	794.
1018:	1190.	2109.	3798.	6392.	8552.	9579.	8741.	6357.	3679.
1027:	1942.	1071.	582.	400.	267.	196.	182.	153.	137.

% COPPER 511.1 + 0.0 KEV 0 + 0.0314

1117:	298.	411.	554.	558.	475.	473.	554.	678.	1034.
1126:	2237.	8322.	25177.	42712.	34829.	13262.	2538.	318.	115.
1135:	102.	82.	90.	105.	86.	91.	85.	62.	66.

% ANTIMONY 564.1 + 0.5 KEV 0 + 0.0312

1301:	57.	38.	42.	42.	39.	43.	28.	38.	37.
1310:	41.	39.	42.	47.	52.	54.	60.	46.	41.
1319:	38.	47.	39.	42.	42.	40.	30.	40.	47.

% ARSENIC 657.4 + 0.0 KEV < 0 + 0.012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1301.	45797.	0.0814	0.0004	0.5
%-ANTIMONY	564.1	751.	128326.	0.5342	0.0017	0.3
%-ARSENIC	657.4	199.	60. <	0.0012	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:48:43 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060N2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13710.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2225:48 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	244.	288.	272.	309.	354.	392.	496.	633.	912.
1018:	1364.	2368.	4184.	6962.	9325.	10497.	9540.	6908.	4140.
1027:	2096.	1056.	694.	449.	321.	207.	199.	188.	185.

% COPPER 511.0 KEV 0.0835

1117:	338.	483.	608.	584.	509.	552.	673.	769.	1093.
1126:	2472.	9262.	28255.	46724.	37832.	14665.	2610.	383.	169.
1135:	154.	107.	117.	93.	102.	88.	89.	93.	71.

% ANTIMONY 564.0 KEV 0.5458

1301:	43.	50.	43.	42.	50.	47.	34.	52.	45.
1310:	40.	51.	40.	54.	65.	78.	73.	72.	41.
1319:	50.	48.	42.	46.	52.	43.	48.	51.	43.

% ARSENIC 657.4 KEV 0.0018

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1463.	50093.	0.0835	0.0004	0.5
%-ANTIMONY	564.1	866.	140954.	0.5458	0.0016	0.3
%-ARSENIC	657.4	236.	106.	0.0018	0.0004	22.7

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:49:38 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060N3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13285.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2236:22 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	239.	252.	285.	285.	325.	336.	446.	560.	779.
1018:	1267.	2166.	3816.	6482.	8643.	9519.	8662.	6341.	3765.
1027:	1944.	983.	642.	403.	276.	211.	211.	175.	166.

% COPPER 511.1 ± 0.0 KEV 0.0796

1117:	293.	455.	553.	518.	503.	496.	636.	741.	1037.
1126:	2304.	8647.	26195.	43671.	35474.	13603.	2468.	368.	151.
1135:	96.	114.	102.	80.	74.	79.	81.	80.	66.

% ANTIMONY 564.1 ± 0.0 KEV 0.5270

1301:	46.	39.	41.	38.	41.	50.	46.	38.	44.
1310:	43.	38.	42.	51.	58.	60.	54.	48.	34.
1319:	56.	32.	34.	49.	44.	39.	35.	42.	43.

% ARSENIC 657.4 ± 0.0 KEV < 0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1357.	45871.	0.0796	0.0004	0.5
%-ANTIMONY.	564.1	715.	131647.	0.5270	0.0016	0.3
%-ARSENIC	657.4	209.	62. <	0.0012	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:50:33 PM XXXXXXXXXXXXXXXXXXXXXXX
 XX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q106001
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.1189.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2246:57 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	238.	241.	243.	254.	257.	297.	318.	411.	578.
1018:	807.	1315.	2360.	3807.	5065.	5563.	5035.	3743.	2238.
1027:	1266.	695.	444.	314.	246.	207.	186.	188.	189.

% COPPER 511.0 KEV 0.0551

1117:	318.	361.	438.	475.	529.	531.	668.	887.	1181.
1126:	2720.	10198.	31131.	51913.	41149.	15869.	2878.	387.	134.
1135:	106.	121.	90.	79.	103.	85.	91.	79.	75.

% ANTIMONY 564.1 KEV 0.7381

1301:	41.	40.	45.	35.	30.	30.	37.	39.	43.
1310:	51.	48.	45.	40.	39.	58.	52.	41.	53.
1319:	37.	45.	41.	43.	48.	39.	44.	34.	50.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1339.	26472.	0.0551	0.0004	0.7
%-ANTIMONY	564.1	872.	154987.	0.7381	0.0021	0.3
%-ARSENIC	657.4	194.	40. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:51:29 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q106002
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11461.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2257:31 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	267.	250.	276.	301.	304.	300.	366.	459.	611.
1018:	840.	1351.	2351.	3871.	5401.	5902.	5329.	3941.	2410.
1027:	1261.	697.	479.	336.	248.	213.	201.	168.	208.

% COPPER 511.0 KEV 0.0568

1117:	328.	387.	468.	490.	549.	546.	765.	926.	1308.
1126:	2941.	10965.	32965.	53774.	43235.	16177.	2900.	416.	178.
1135:	161.	138.	103.	110.	89.	90.	80.	87.	89.

% ANTIMONY 564.1 KEV 0.7550

1301:	50.	42.	61.	52.	41.	54.	52.	41.	42.
1310:	58.	50.	58.	56.	57.	54.	52.	51.	37.
1319:	50.	46.	49.	52.	30.	47.	49.	31.	36.

% ARSENIC 657.4 KEV <0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1508.	27697.	0.0568	0.0004	0.7
%-ANTIMONY	564.1	876.	162081.	0.7550	0.0022	0.3
%-ARSENIC	657.4	230.	47. <	0.0015	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:52:24 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q106003
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10408.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2308:05 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	227.	227.	238.	262.	253.	271.	319.	430.	557.
1018:	712.	1288.	2223.	3587.	4937.	5394.	4843.	3599.	2223.
1027:	1160.	603.	400.	321.	251.	201.	191.	175.	196.

% COPPER 511.0 KEV 0.0579

1117:	250.	387.	375.	472.	449.	553.	701.	857.	1152.
1126:	2624.	9669.	30048.	49895.	39819.	15407.	2795.	388.	178.
1135:	111.	95.	96.	85.	86.	81.	79.	66.	79.

% ANTIMONY 564.1 KEV 0.7680

1301:	35.	50.	49.	43.	50.	48.	38.	30.	45.
1310:	38.	29.	37.	32.	36.	45.	47.	60.	33.
1319:	39.	34.	38.	46.	43.	37.	32.	45.	42.

% ARSENIC 657.4 KEV <0.0016

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1394.	25412.	0.0579	0.0004	0.7
%-ANTIMONY	564.1	805.	149452.	0.7680	0.0023	0.3
%-ARSENIC	657.4	222.	-0. <	0.0016	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:53:20 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060F1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10799.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2318:41 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	189.	235.	223.	234.	242.	274.	323.	442.	632.
1018:	959.	1713.	2948.	4918.	6546.	7317.	6781.	4945.	2953.
1027:	1536.	787.	458.	330.	218.	158.	149.	138.	143.

% COPPER 511.0 KEV 0.0782

1117:	306.	443.	629.	562.	505.	417.	530.	598.	882.
1126:	1993.	7574.	23146.	38482.	31762.	11977.	2133.	251.	127.
1135:	88.	87.	83.	58.	62.	61.	71.	56.	58.

% ANTIMONY 564.0 KEV 0.5778

1301:	31.	26.	36.	32.	43.	32.	32.	29.	39.
1310:	36.	31.	29.	40.	54.	72.	65.	54.	45.
1319:	27.	31.	33.	33.	31.	29.	29.	33.	25.

% ARSENIC 657.4 KEV 0.0028

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1147.	35261.	0.0782	0.0005	0.6
%-ANTIMONY	564.1	613.	116454.	0.5778	0.0019	0.3
%-ARSENIC	657.4	162.	128.	0.0028	0.0005	16.6

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:54:15 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060F2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11085.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2329:11 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	226.	226.	231.	238.	256.	271.	342.	466.	646.
1018:	1032.	1701.	3048.	4943.	6797.	7671.	6731.	4959.	3102.
1027:	1519.	784.	501.	304.	211.	184.	191.	136.	130.

% COPPER 511.1 ± 0.0 KEV 0.0787

1117:	299.	465.	595.	620.	490.	491.	498.	637.	917.
1126:	2060.	7844.	24215.	40364.	32732.	12665.	2264.	274.	99.
1135:	88.	94.	77.	85.	74.	54.	57.	64.	65.

% ANTIMONY 564.1 ± 0.5 KEV 0.5884

1301:	33.	32.	43.	36.	37.	36.	43.	32.	38.
1310:	31.	44.	43.	51.	53.	75.	73.	46.	30.
1319:	43.	34.	31.	35.	32.	35.	28.	35.	38.

% ARSENIC 657.4 ± 0.0 KEV 0.0027

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1191.	36060.	0.0787	0.0005	0.6
%-ANTIMONY	564.1	650.	121494.	0.5884	0.0019	0.3
%-ARSENIC	657.4	175.	123.	0.0027	0.0005	17.6

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:55:10 PM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060P3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10760.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2339:42 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	212.	221.	202.	228.	250.	270.	316.	424.	669.
1018:	915.	1622.	2883.	4760.	6653.	7184.	6501.	4864.	2851.
1027:	1455.	808.	456.	285.	233.	183.	163.	134.	148.

% COPPER 511.1 . 00 KEV 0 . 0785

1117:	288.	445.	626.	547.	488.	458.	524.	620.	819.
1126:	2070.	7572.	22920.	38502.	31024.	11848.	2170.	290.	105.
1135:	93.	77.	85.	73.	63.	51.	53.	68.	57.

% ANTIMONY 564 . 05 KEV 0 . 5773

1301:	31.	44.	36.	29.	39.	31.	26.	25.	28.
1310:	28.	35.	30.	47.	60.	68.	82.	53.	42.
1319:	32.	21.	35.	39.	34.	36.	31.	19.	36.

% ARSENIC 657 . 40 KEV 0 . 0031

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1106.	34592.	0.0785	0.0005	0.6
%-ANTIMONY	564.1	610.	115496.	0.5773	0.0019	0.3
%-ARSENIC	657.4	169.	141.	0.0031	0.0005	15.5

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:56:05 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060Q1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11695.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 20JUN80 2350:12 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 622. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	238.	229.	236.	259.	275.	306.	368.	403.	541.
1018:	725.	1238.	2244.	3596.	4909.	5295.	4851.	3607.	2197.
1027:	1158.	627.	447.	296.	243.	203.	203.	189.	186.

% COPPER 511.0 KEV 0.0535

1117:	311.	383.	432.	478.	498.	546.	696.	873.	1210.
1126:	2779.	10164.	31090.	51877.	41536.	15951.	2923.	390.	156.
1135:	118.	88.	88.	87.	81.	82.	69.	75.	73.

% ANTIMONY 564.0 KEV 0.7166

1301:	46.	46.	42.	35.	39.	33.	48.	45.	35.
1310:	31.	48.	36.	41.	44.	40.	35.	26.	35.
1319:	35.	33.	34.	44.	41.	36.	47.	35.	37.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1337.	25362.	0.0535	0.0004	0.7
%-ANTIMONY	564.1	792.	155528.	0.7166	0.0021	0.3
%-ARSENIC	657.4	199.	1. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:57:01 PM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060Q2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11502.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 0:49 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	247.	240.	243.	232.	287.	267.	345.	386.	523.
1018:	761.	1255.	2288.	3811.	4986.	5351.	4920.	3722.	2196.
1027:	1186.	642.	467.	308.	242.	216.	170.	210.	192.

% COPPER 511.0 KEV 0.0560

1117:	322.	354.	438.	498.	496.	536.	674.	808.	1219.
1126:	2762.	10545.	32376.	53116.	42580.	16283.	2957.	383.	137.
1135:	122.	97.	93.	116.	77.	74.	87.	78.	78.

% ANTIMONY 564.1 KEV 0.7499

1301:	43.	43.	48.	52.	47.	40.	34.	49.	43.
1310:	38.	34.	47.	46.	44.	62.	44.	37.	46.
1319:	46.	32.	43.	40.	41.	26.	31.	35.	28.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1413.	25861.	0.0560	0.0004	0.7
%-ANTIMONY	564.1	844.	159775.	0.7499	0.0021	0.3
%-ARSENIC	657.4	202.	42. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:57:56 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q106003
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11926.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 11:23 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 622. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	268.	239.	262.	256.	270.	291.	365.	398.	599.
1018:	781.	1377.	2430.	3948.	5306.	5724.	5207.	3764.	2359.
1027:	1265.	656.	432.	326.	249.	193.	206.	196.	189.

% COPPER 511.0 KEV 0.0573

1117:	349.	420.	485.	498.	530.	630.	717.	907.	1338.
1126:	2976.	11416.	34074.	55584.	44486.	16801.	3042.	410.	167.
1135:	144.	109.	103.	109.	99.	103.	86.	90.	87.

% ANTIMONY 564.4 KEV 0.7595

1301:	46.	53.	48.	46.	38.	44.	37.	34.	28.
1310:	48.	40.	35.	43.	47.	46.	51.	54.	36.
1319:	39.	39.	44.	47.	35.	54.	46.	32.	41.

% ARSENIC 657.4 KEV <0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1521.	27217.	0.0573	0.0004	0.7
%-ANTIMONY	564.1	902.	167477.	0.7595	0.0021	0.3
%-ARSENIC	657.4	222.	20. <	0.0015	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:58:51 PM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060R1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8827.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 21:58 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 616. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	186.	179.	188.	180.	202.	218.	241.	289.	397.
1018:	543.	948.	1616.	2736.	3706.	4075.	3663.	2795.	1601.
1027:	964.	473.	291.	213.	179.	154.	144.	145.	135.

% COPPER 511.0 KEV 0.0549

1117:	254.	283.	365.	380.	369.	442.	519.	671.	849.
1126:	2052.	7412.	23469.	39069.	31743.	12279.	2281.	239.	97.
1135:	97.	66.	54.	57.	58.	59.	50.	58.	49.

% ANTIMONY 564.0 KEV 0.7226

1301:	40.	35.	26.	28.	21.	40.	30.	32.	18.
1310:	30.	19.	23.	28.	44.	29.	32.	22.	20.
1319:	25.	30.	37.	25.	42.	25.	27.	28.	25.

% ARSENIC 657.40 KEV <0.0016

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1089.	19103.	0.0549	0.0004	0.8
%-ANTIMONY	564.1	602.	117703.	0.7226	0.0023	0.3
%-ARSENIC	657.4	149.	7. <	0.0016	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 12:59:47 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060R2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8235.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 32:29 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 615. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	155.	169.	163.	199.	174.	202.	215.	274.	404.
1018:	551.	836.	1486.	2481.	3234.	3722.	3258.	2459.	1494.
1027:	814.	425.	268.	222.	150.	117.	118.	132.	123.

% COPPER 511.8 ± 0.0 KEV 0.0534

1117:	205.	295.	296.	317.	384.	394.	474.	582.	849.
1126:	1806.	7027.	21651.	35935.	29803.	11425.	2010.	262.	101.
1135:	76.	71.	75.	69.	61.	68.	45.	52.	44.

% ANTIMONY 564.1 ± 0.3 KEV 0.7189

1301:	39.	39.	38.	35.	32.	26.	30.	40.	26.
1310:	31.	31.	38.	40.	34.	48.	37.	26.	38.
1319:	40.	25.	36.	26.	21.	21.	40.	39.	34.

% ARSENIC 657.4 ± 0.4 KEV <0.0018

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	960.	17174.	0.0534	0.0004	0.8
%-ANTIMONY	564.1	602.	109055.	0.7189	0.0024	0.3
%-ARSENIC	657.4	159.	39. <	0.0018	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:00:42 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060R3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8048.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 42:55 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 615. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	145.	186.	184.	173.	196.	215.	227.	260.	350.
1018:	501.	895.	1466.	2504.	3379.	3611.	3238.	2494.	1563.
1027:	787.	464.	312.	214.	162.	135.	138.	134.	148.

% COPPER 511.0 KEV 0.0556

1117:	231.	260.	307.	361.	365.	405.	494.	654.	810.
1126:	1876.	7138.	21601.	36277.	28698.	11077.	1939.	228.	95.
1135:	66.	84.	62.	62.	57.	48.	49.	47.	51.

% ANTIMONY 564.0 KEV 0.7300

1301:	45.	27.	35.	32.	23.	29.	21.	32.	30.
1310:	27.	33.	27.	34.	31.	29.	26.	33.	33.
1319:	24.	22.	30.	43.	27.	30.	27.	37.	26.

% ARSENIC 657.4 KEV <0.0019

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	942.	17313.	0.0556	0.0005	0.8
%-ANTIMONY	564.1	580.	108026.	0.7300	0.0024	0.3
%-ARSENIC	657.4	155.	-3. <	0.0019	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:01:37 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060S1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11324.00 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 21JUN80 53:22 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	208.	215.	234.	221.	244.	299.	358.	425.	664.
1018:	1022.	1728.	3126.	5082.	7257.	7708.	7046.	5057.	3033.
1027:	1600.	843.	489.	292.	221.	169.	176.	167.	147.

% COPPER 511.0 KEV 0.0857

1117:	256.	393.	501.	530.	452.	458.	544.	682.	902.
1126:	2108.	7907.	23867.	39817.	31910.	12126.	2117.	280.	108.
1135:	94.	75.	62.	60.	66.	66.	44.	47.	55.

% ANTIMONY 564.0 KEV 0.5737

1301:	32.	43.	34.	39.	37.	50.	33.	18.	25.
1310:	25.	23.	25.	28.	46.	58.	39.	39.	38.
1319:	41.	30.	34.	36.	30.	40.	19.	32.	33.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1128.	37181.	0.0857	0.0005	0.6
%-ANTIMONY	564.1	625.	119227.	0.5737	0.0018	0.3
%-ARSENIC	657.4	180.	40. <	0.0014	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:02:32 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060S2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11393.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 103:52 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 619. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	236.	203.	222.	257.	243.	302.	377.	438.	711.
1018:	1056.	1751.	3139.	5244.	7001.	7834.	7073.	5267.	3011.
1027:	1563.	820.	470.	361.	242.	174.	165.	145.	143.

% COPPER 511.1 + 0.0 KEV 0.0865

1117:	259.	402.	502.	572.	455.	462.	526.	630.	954.
1126:	2169.	7931.	24300.	40961.	33151.	12510.	2354.	282.	108.
1135:	86.	79.	84.	79.	54.	61.	81.	51.	70.

% ANTIMONY 564.1 + 0.5 KEV 0.5879

1301:	42.	48.	43.	50.	40.	32.	27.	33.	29.
1310:	35.	35.	43.	34.	53.	60.	56.	42.	39.
1319:	48.	27.	27.	34.	36.	33.	31.	34.	31.

% ARSENIC 657.4 + 0.0 KEV < 0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1163.	37406.	0.0865	0.0005	0.6
%-ANTIMONY	564.1	688.	122688.	0.5879	0.0019	0.3
%-ARSENIC	657.4	191.	56. <	0.0015	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:03:28 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060S3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11197.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 114:23 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	205.	223.	220.	269.	216.	326.	362.	442.	715.
1018:	1020.	1735.	3033.	5099.	6940.	7677.	7050.	5096.	3073.
1027:	1528.	808.	487.	322.	233.	184.	157.	133.	171.

% COPPER 511.0 KEV 0.0876

1117:	294.	397.	541.	570.	450.	468.	477.	654.	952.
1126:	2100.	7754.	23943.	40350.	32357.	12480.	2413.	305.	109.
1135:	94.	85.	61.	68.	54.	62.	62.	62.	68.

% ANTIMONY 564.0 KEV 0.5899

1301:	36.	25.	49.	39.	41.	38.	35.	38.	33.
1310:	25.	25.	34.	34.	52.	52.	49.	37.	28.
1319:	35.	28.	32.	34.	36.	30.	23.	42.	34.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1098.	36870.	0.0876	0.0003	0.6
%-ANTIMONY	564.1	625.	120772.	0.5899	0.0019	0.3
%-ARSENIC	657.4	179.	46. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 11:04:23 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060T1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10729.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 124:55 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	179.	208.	214.	218.	204.	243.	292.	359.	495.
1018:	638.	1109.	2006.	3080.	4244.	4703.	4324.	3140.	1876.
1027:	953.	618.	375.	276.	231.	162.	157.	155.	140.

% COPPER 511.1 + 0.0 KEV 0.0555

1117:	278.	305.	391.	463.	468.	499.	608.	768.	1057.
1126:	2424.	8813.	26980.	45386.	37920.	14383.	2679.	328.	134.
1135:	83.	100.	86.	78.	54.	56.	74.	76.	56.

% ANTIMONY 564.1 + 0.5 KEV 0.7045

1301:	39.	41.	32.	37.	37.	27.	32.	22.	34.
1310:	39.	24.	40.	41.	38.	48.	45.	43.	40.
1319:	31.	30.	42.	34.	34.	33.	33.	35.	33.

% ARSENIC 657.4 + 4.0 KEV < 0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1220.	22153.	0.0555	0.0004	0.7
%-ANTIMONY	564.1	719.	137866.	0.7045	0.0021	0.3
%-ARSENIC	657.4	172.	44. <	0.0015	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:05:18 PM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060T2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10855.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 135:25 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	219.	195.	215.	214.	231.	243.	259.	329.	426.
1018:	596.	977.	1805.	2831.	4150.	4776.	4295.	3450.	2075.
1027:	1101.	665.	381.	263.	213.	165.	181.	138.	146.

% COPPER 511.1 - 0.0 KEV 0.0553

1117:	296.	322.	372.	412.	432.	503.	589.	679.	933.
1126:	1957.	7031.	22963.	44146.	40934.	18144.	3748.	523.	154.
1135:	99.	73.	68.	76.	71.	63.	73.	66.	52.

% ANTIMONY 564.0 KEV 0.6993

1301:	39.	35.	32.	41.	40.	42.	42.	24.	24.
1310:	42.	30.	36.	43.	32.	41.	44.	36.	33.
1319:	34.	23.	33.	20.	39.	34.	24.	27.	31.

% ARSENIC 657.40 KEV < 0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1240.	22142.	0.0553	0.0004	0.7
%-ANTIMONY	564.1	655.	138268.	0.6993	0.0021	0.3
%-ARSENIC	657.4	167.	29. <	0.0015	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:06:14 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060T3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10874.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 145:56 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	192.	209.	194.	228.	227.	246.	261.	369.	418.
1018:	610.	1008.	1761.	2893.	4105.	4674.	4435.	3521.	2105.
1027:	1166.	644.	413.	273.	206.	189.	158.	144.	182.

% COPPER 511.0 ± 0.0 KEV 0.0561

1117:	282.	338.	384.	426.	429.	479.	591.	701.	961.
1126:	2024.	6883.	22784.	43740.	41094.	18006.	3850.	463.	101.
1135:	94.	80.	77.	71.	82.	65.	65.	51.	60.

% ANTIMONY 564.1 ± 0.3 KEV 0.6966

1301:	45.	37.	32.	38.	34.	39.	32.	29.	35.
1310:	34.	40.	28.	35.	40.	35.	46.	43.	27.
1319:	31.	36.	28.	25.	25.	22.	21.	33.	41.

% ARSENIC 657.4 ± 0.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1205.	22289.	0.0561	0.0004	0.7
%-ANTIMONY	564.1	663.	137718.	0.6966	0.0021	0.3
%-ARSENIC	657.4	153.	46. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:07:09 PM XXXXXXXXXXXXXXXXXXXXXXXXXXXX
 XX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060U1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13105.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 156:27 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	265.	230.	238.	232.	256.	297.	296.	411.	492.
1018:	736.	1066.	1899.	3189.	4359.	5026.	4813.	3728.	2356.
1027:	1267.	692.	457.	300.	227.	226.	174.	177.	178.

% COPPER 511.1 + 0.0 KEV 0.0506

1117:	336.	402.	462.	456.	500.	580.	687.	884.	1063.
1126:	2173.	7794.	25847.	50476.	48774.	22394.	4873.	625.	154.
1135:	122.	116.	110.	85.	100.	70.	77.	85.	76.

% ANTIMONY 564.1 + 0.0 KEV 0.6791

1301:	47.	51.	43.	56.	40.	34.	39.	46.	36.
1310:	30.	36.	40.	39.	40.	52.	39.	33.	42.
1319:	39.	41.	47.	38.	36.	48.	45.	43.	48.

% ARSENIC 657.4 + 0.0 KEV < 0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1381.	23989.	0.0506	0.0004	0.7
%-ANTIMONY	564.1	809.	161523.	0.6791	0.0019	0.3
%-ARSENIC	657.4	217.	-7. <	0.0014	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:08:05 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060U2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 1.1965.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 207:01 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 622. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	222.	236.	284.	313.	291.	305.	311.	381.	521.
1018:	738.	1111.	2069.	3182.	4611.	5268.	5080.	3844.	2487.
1027:	1289.	715.	460.	350.	248.	238.	195.	187.	195.

% COPPER 511.0 KEV 0.0585

1117:	333.	365.	423.	510.	519.	619.	720.	829.	1173.
1126:	2286.	7909.	26945.	53294.	50810.	23281.	5339.	659.	187.
1135:	136.	124.	120.	101.	103.	87.	87.	79.	67.

% ANTIMONY 564.0 KEV 0.7798

1301:	58.	37.	37.	42.	34.	36.	37.	47.	35.
1310:	39.	46.	48.	44.	32.	42.	44.	44.	33.
1319:	37.	48.	42.	36.	49.	49.	46.	31.	33.

% ARSENIC 657.4 KEV <0.0015

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1448.	25093.	0.0585	0.0004	0.7
%-ANTIMONY	564.1	848.	169016.	0.7798	0.0022	0.3
%-ARSENIC	657.4	199.	11. <	0.0015	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:09:00 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060U3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12804.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 217:35 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	250.	248.	277.	250.	284.	294.	311.	384.	475.
1018:	673.	1059.	1790.	3142.	4401.	5022.	4714.	3738.	2367.
1027:	1199.	701.	441.	343.	246.	222.	211.	188.	187.

% COPPER 511.0 KEV 0.0523

1117:	308.	361.	416.	492.	536.	606.	606.	820.	1149.
1126:	2144.	7885.	26139.	51004.	48338.	21685.	4770.	603.	147.
1135:	130.	100.	87.	97.	86.	90.	80.	58.	68.

% ANTIMONY 564.1 KEV 0.6961

1301:	56.	46.	46.	41.	38.	36.	36.	28.	28.
1310:	40.	41.	38.	48.	44.	44.	49.	35.	36.
1319:	30.	36.	40.	39.	38.	52.	41.	37.	38.

% ARSENIC 657.4 KEV < 0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1411.	23764.	0.0523	0.0004	0.7
%-ANTIMONY	564.1	815.	161150.	0.6961	0.0020	0.3
%-ARSENIC	657.4	207.	16. <	0.0014	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:09:55 PM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060V1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12518.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 21JUN80 228:10 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *
 XXX

1009:	216.	200.	225.	265.	229.	252.	326.	374.	489.
1018:	672.	1105.	1778.	2969.	4085.	4752.	4610.	3616.	2234.
1027:	1168.	680.	437.	296.	214.	235.	178.	184.	174.

% COPPER 511.1 ± 0.0 KEV 0.0515

1117:	258.	346.	444.	468.	517.	528.	662.	796.	1091.
1126:	2125.	7759.	25453.	48823.	46269.	20963.	4555.	637.	162.
1135:	114.	107.	116.	94.	74.	97.	70.	81.	64.

% ANTIMONY 564.1 ± 0.5 KEV 0.6867

1301:	42.	41.	48.	53.	51.	41.	46.	41.	54.
1310:	50.	50.	50.	42.	51.	51.	44.	49.	40.
1319:	46.	41.	36.	31.	39.	31.	37.	46.	37.

% ARSENIC 657.4 ± 0.4 KEV < 0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1375.	22669.	0.0515	0.0004	0.7
%-ANTIMONY	564.1	824.	155123.	0.6867	0.0020	0.3
%-ARSENIC	657.4	209.	34. <	0.0014	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:10:50 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060V2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12324.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX
 *
 ACQUISITION DATE: 21JUN80 238:44 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009: 217. 232. 255. 237. 267. 294. 283. 359. 459.
 1018: 628. 1027. 1796. 2990. 3979. 4680. 4445. 3525. 2210.
 1027: 1179. 620. 414. 305. 222. 201. 181. 167. 171.

% COPPER 511.0 KEV 0.0519

1117: 286. 347. 454. 400. 509. 511. 638. 803. 1081.
 1126: 2118. 7568. 25239. 48383. 46395. 20792. 4580. 576. 154.
 1135: 116. 111. 107. 82. 91. 72. 75. 76. 73.

% ANTIMONY 564.0 KEV 0.0519

1301: 41. 40. 57. 34. 39. 39. 33. 34. 37.
 1310: 46. 30. 30. 34. 32. 51. 35. 49. 46.
 1319: 41. 52. 42. 36. 29. 31. 35. 41. 31.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1334.	22291.	0.0519	0.0004	0.7
%-ANTIMONY	564.1	865.	154211.	0.6947	0.0020	0.3
%-ARSENIC	657.4	191.	23. <	0.0014	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:11:46 PM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060V3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12524.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 249:19 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	246.	239.	224.	234.	275.	314.	312.	341.	467.
1018:	618.	949.	1763.	2999.	4128.	4947.	4627.	3455.	2221.
1027:	1228.	663.	474.	311.	227.	210.	181.	169.	187.

% COPPER 511.0 KEV 0.0526

1117:	322.	354.	403.	465.	499.	564.	655.	905.	1079.
1126:	2147.	7367.	25233.	49397.	47971.	22356.	4987.	630.	174.
1135:	132.	101.	105.	78.	81.	75.	57.	100.	67.

% ANTIMONY 564.1 KEV 0.7045

1301:	44.	49.	46.	56.	45.	40.	32.	39.	44.
1310:	31.	43.	40.	42.	37.	46.	35.	44.	30.
1319:	42.	35.	37.	34.	40.	30.	34.	32.	27.

% ARSENIC 657.4 KEV <0.0014

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1391.	22749.	0.0526	0.0004	0.7
%-ANTIMONY	564.1	825.	158633.	0.7045	0.0020	0.3
%-ARSENIC	657.4	203.	-10. <	0.0014	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:12:41 PM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060W1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10673.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX
 *
 ACQUISITION DATE: 21JUN80 259:54 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 619. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	225.	224.	185.	217.	247.	250.	260.	292.	434.
1018:	554.	898.	1629.	2749.	3857.	4406.	4212.	3305.	2022.
1027:	1151.	637.	379.	261.	229.	174.	151.	152.	172.

% COPPER 511.1 ± 0.0 KEV 0.0574

1117:	251.	310.	363.	446.	468.	486.	608.	723.	1011.
1126:	1990.	7006.	23220.	45123.	43667.	20082.	4555.	589.	152.
1135:	109.	92.	79.	96.	82.	53.	88.	77.	77.

% ANTIMONY 564.1 ± 0.5 KEV 0.7562

1301:	38.	45.	46.	44.	42.	28.	41.	40.	35.
1310:	31.	40.	26.	39.	43.	42.	46.	41.	31.
1319:	41.	35.	48.	40.	37.	38.	40.	41.	32.

% ARSENIC 657.4 ± 0.1 KEV <0.0017

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1238.	20942.	0.0574	0.0004	0.8
%-ANTIMONY	564.1	794.	144849.	0.7562	0.0023	0.3
%-ARSENIC	657.4	201.	11. <	0.0017	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 11:13:36 PM XXXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060W2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11003.00 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 21JUN80 310:29 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	228.	246.	223.	223.	245.	266.	299.	363.	425.
1018:	654.	928.	1621.	2840.	4017.	4537.	4431.	3414.	2116.
1027:	1232.	691.	429.	289.	236.	195.	185.	189.	206.

% COPPER 511.0 KEV 0.0581

1117:	308.	306.	433.	467.	515.	535.	641.	801.	1066.
1126:	1986.	7222.	24512.	47906.	45911.	21556.	4869.	674.	160.
1135:	140.	129.	101.	97.	80.	87.	69.	67.	88.

% ANTIMONY 564.1 KEV 0.7770

1301:	45.	32.	38.	44.	42.	47.	38.	38.	27.
1310:	37.	39.	33.	41.	39.	53.	52.	33.	26.
1319:	29.	37.	31.	39.	40.	30.	28.	37.	40.

% ARSENIC 657.4 KEV <0.0016

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1338.	21638.	0.0581	0.0004	0.8
%-ANTIMONY	564.1	822.	153140.	0.7770	0.0023	0.3
%-ARSENIC	657.4	189.	30. <	0.0016	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:14:31 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060W3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10152.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 21JUN80 321:02 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 619. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	199.	198.	207.	243.	243.	226.	266.	316.	399.
1018:	603.	915.	1511.	2505.	3500.	4273.	3943.	3072.	2054.
1027:	1090.	599.	372.	251.	208.	172.	178.	144.	185.

% COPPER 511.0 KEV 0.0576

1117:	272.	309.	429.	412.	482.	463.	590.	748.	971.
1126:	1976.	6929.	22824.	43894.	43217.	19901.	4388.	553.	137.
1135:	97.	94.	72.	72.	73.	65.	74.	89.	59.

% ANTIMONY 564.0 KEV 0.7845

1301:	51.	31.	44.	35.	27.	32.	21.	36.	38.
1310:	40.	34.	30.	38.	35.	42.	53.	47.	40.
1319:	36.	37.	32.	33.	30.	49.	31.	34.	32.

% ARSENIC 657.4 KEV <0.0017

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1240.	19618.	0.0576	0.0005	0.8
%-ANTIMONY	564.1	737.	142392.	0.7845	0.0023	0.3
%-ARSENIC	657.4	173.	44. <	0.0017	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:15:26 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060X1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12549.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 331:33 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	199.	245.	227.	239.	235.	263.	280.	384.	550.
1018:	826.	1299.	2401.	3953.	5711.	6798.	6497.	4938.	3094.
1027:	1708.	858.	498.	362.	257.	200.	167.	150.	142.

% COPPER 511.0 + 0.0 KEV 0.0773

1117:	307.	451.	622.	703.	508.	463.	479.	634.	820.
1126:	1596.	5718.	19121.	37682.	36805.	17227.	3778.	536.	128.
1135:	78.	73.	68.	63.	56.	58.	52.	53.	60.

% ANTIMONY 564.1 + 0.5 KEV 0.5416

1301:	39.	33.	43.	35.	51.	32.	39.	34.	29.
1310:	25.	40.	45.	30.	65.	79.	56.	44.	40.
1319:	37.	34.	31.	37.	35.	25.	37.	29.	35.

% ARSENIC 657.4 + 0.0 KEV 0.0020

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1174.	32218.	0.0773	0.0005	0.6
%-ANTIMONY	564.1	647.	121280.	0.5416	0.0017	0.3
%-ARSENIC	657.4	179.	97.	0.0020	0.0004	22.1

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:16:22 PM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060X2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11889.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 342:04 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 617. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	230.	228.	211.	239.	244.	261.	324.	374.	550.
1018:	826.	1369.	2256.	4018.	5461.	6345.	6186.	4883.	2992.
1027:	1638.	785.	505.	324.	223.	178.	174.	150.	137.

% COPPER 511.0 KEV 0.0793

1117:	304.	430.	659.	649.	565.	435.	527.	608.	752.
1126:	1529.	5459.	18511.	36330.	35890.	16707.	3858.	501.	122.
1135:	91.	87.	50.	55.	70.	55.	55.	54.	53.

% ANTIMONY 554.0 KEV 0.5557

1301:	32.	35.	34.	42.	29.	25.	27.	32.	37.
1310:	32.	37.	24.	39.	60.	70.	66.	56.	33.
1319:	37.	30.	18.	26.	20.	30.	32.	33.	33.

% ARSENIC 657.40 KEV 0.0031

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1099.	31042.	0.0793	0.0005	0.6
%-ANTIMONY	564.1	612.	117672.	0.5557	0.0018	0.3
%-ARSENIC	657.4	153.	138.	0.0031	0.0005	15.3

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:17:17 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060X3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12213.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 352:34 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 617. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	208.	208.	200.	198.	232.	278.	285.	379.	496.
1018:	794.	1229.	2214.	3815.	5589.	6248.	6194.	4723.	2931.
1027:	1630.	842.	459.	314.	233.	182.	145.	138.	119.

% COPPER 511.0 KEV 0.0769

1117:	248.	381.	643.	718.	537.	458.	488.	627.	771.
1126:	1543.	5394.	18491.	35667.	35480.	16359.	3743.	511.	115.
1135:	83.	63.	74.	47.	54.	69.	60.	46.	56.

% ANTIMONY 564.1 KEV 0.5346

1301:	34.	35.	42.	30.	32.	38.	20.	34.	31.
1310:	28.	34.	44.	31.	49.	72.	71.	52.	35.
1319:	37.	28.	32.	26.	26.	23.	30.	26.	38.

% ARSENIC 657.4 KEV 0.0027

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD.	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1117.	30597.	0.0769	0.0005	0.6
%-ANTIMONY	564.1	603.	116074.	0.5346	0.0017	0.3
%-ARSENIC	657.4	154.	125.	0.0027	0.0005	16.7

XX
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0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060Y1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 7893.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 403:05 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 611. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	135.	112.	119.	136.	147.	182.	187.	233.	394.
1018:	570.	927.	1649.	2818.	4170.	4854.	4803.	3652.	2226.
1027:	1171.	595.	353.	220.	166.	122.	91.	89.	64.

% COPPER 511.0 KEV 0.09222

1117:	154.	291.	495.	497.	392.	303.	293.	344.	458.
1126:	892.	3003.	10481.	20837.	20966.	9924.	2235.	268.	66.
1135:	32.	35.	38.	24.	45.	14.	25.	30.	19.

% ANTIMONY 564.1 KEV 0.4855

1301:	20.	26.	16.	13.	17.	20.	19.	24.	16.
1310:	21.	30.	19.	17.	39.	63.	59.	41.	19.
1319:	20.	9.	22.	22.	14.	17.	19.	21.	23.

% ARSENIC 657.4 KEV 0.0044

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	678.	23494.	0.0922	0.0007	0.7
%-ANTIMONY	564.1	338.	68000.	0.4855	0.0020	0.4
%-ARSENIC	657.4	93.	129.	0.0044	0.0006	13.8

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:19:07 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060Y2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 8924.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 413:28 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 613. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NET ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	152.	157.	151.	182.	192.	226.	258.	320.	484.
1018:	680.	1108.	2173.	3713.	5302.	6132.	5929.	4675.	2847.
1027:	1468.	736.	464.	245.	192.	148.	118.	108.	98.

% COPPER 511.0 KEV 0.1048

1117:	208.	371.	637.	694.	464.	332.	341.	417.	522.
1126:	1109.	3526.	12601.	24741.	24669.	11746.	2748.	354.	73.
1135:	39.	51.	49.	46.	49.	44.	39.	43.	41.

% ANTIMONY 564.1 KEV 0.5105

1301:	27.	24.	23.	24.	30.	19.	21.	26.	16.
1310:	24.	37.	29.	27.	44.	73.	62.	49.	23.
1319:	26.	22.	26.	24.	21.	28.	22.	18.	14.

% ARSENIC 657.4 KEV 0.0042

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	839.	29932.	0.1048	0.0007	0.6
%-ANTIMONY	564.1	442.	80698.	0.5105	0.0019	0.4
%-ARSENIC	657.4	117.	139.	0.0042	0.0006	13.9

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 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:20:03 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060Z1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9868.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 21JUN80 423:55 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 615. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	158.	171.	172.	173.	189.	201.	276.	292.	384.
1018:	537.	859.	1480.	2482.	3611.	4194.	3972.	3080.	1924.
1027:	1050.	567.	357.	238.	165.	154.	143.	125.	129.

% COPPER 511.1 + 0.0 KEV 0.0632

1117:	237.	355.	480.	569.	466.	418.	471.	552.	704.
1126:	1414.	4964.	17039.	34058.	33982.	16621.	3774.	445.	115.
1135:	66.	66.	71.	63.	51.	57.	46.	51.	47.

% ANTIMONY 564.1 + 0.5 KEV 0.6377

1301:	45.	27.	32.	32.	27.	29.	31.	37.	27.
1310:	37.	37.	22.	25.	43.	51.	39.	30.	29.
1319:	33.	27.	24.	26.	25.	26.	35.	27.	38.

% ARSENIC 657.4 + 0.4 KEV <0.0016

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	976.	19767.	0.0632	0.0005	0.8
%-ANTIMONY	564.1	587.	111265.	0.6377	0.0021	0.3
%-ARSENIC	657.4	143.	49. <	0.0016	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:20:58 PM XXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060Z2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10365.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 434:26 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 616. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	182.	188.	165.	199.	198.	216.	246.	292.	376.
1018:	522.	864.	1574.	2551.	3874.	4331.	4115.	3219.	2100.
1027:	1145.	564.	386.	275.	195.	144.	140.	127.	125.

% COPPER 511.1 + 0.0 KEV 0 + 0.038

1117:	257.	366.	520.	563.	479.	440.	509.	521.	785.
1126:	1512.	5303.	17980.	35709.	35896.	17194.	3933.	554.	105.
1135:	76.	60.	59.	62.	68.	51.	67.	44.	40.

% ANTIMONY 564.1 + 0.0 KEV 0 + 0.030

1301:	32.	40.	23.	27.	25.	26.	31.	22.	21.
1310:	32.	33.	24.	43.	45.	56.	60.	49.	24.
1319:	27.	28.	33.	17.	21.	33.	38.	30.	26.

% ARSENIC 657.4 + 0.0 KEV 0 + 0.030

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1014.	20750.	0.0638	0.0005	0.8
%-ANTIMONY	564.1	631.	116896.	0.6390	0.0021	0.3
%-ARSENIC	657.4	140.	113.	0.0030	0.0005	17.6

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 11:21:53 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060Z3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9897.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 444:56 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 616. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	157.	194.	173.	205.	184.	219.	217.	302.	397.
1018:	507.	827.	1532.	2712.	3583.	4280.	4032.	3232.	2141.
1027:	1132.	586.	387.	248.	178.	141.	126.	136.	139.

% COPPER 511.1 + 0.0 KEV 0.06655

1117:	256.	362.	496.	582.	493.	422.	483.	566.	823.
1126:	1481.	4960.	17315.	34732.	36013.	17517.	4084.	494.	94.
1135:	93.	62.	55.	64.	56.	49.	61.	58.	50.

% ANTIMONY 564.1 + 0.5 KEV 0.6623

1301:	28.	40.	33.	28.	26.	27.	34.	35.	21.
1310:	20.	27.	38.	37.	43.	59.	46.	38.	22.
1319:	31.	33.	20.	29.	29.	36.	29.	27.	27.

% ARSENIC 657.4 + 0.0 KEV 0.0020

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1056.	20456.	0.0665	0.0005	0.8
%-ANTIMONY	564.1	644.	115458.	0.6623	0.0022	0.3
%-ARSENIC	657.4	152.	71.	0.0020	0.0005	27.3

XX
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 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060AA1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12135.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 455:27 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 621. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	253.	255.	254.	255.	255.	277.	300.	375.	452.
1018:	622.	1011.	1613.	2735.	3838.	4541.	4337.	3572.	2270.
1027:	1245.	705.	411.	330.	238.	192.	198.	167.	188.

% COPPER 511.0 KEV 0.0574

1117:	341.	401.	452.	513.	550.	586.	651.	867.	1106.
1126:	2097.	7309.	24781.	50267.	51000.	25033.	6050.	795.	186.
1135:	133.	120.	121.	96.	87.	91.	87.	90.	69.

% ANTIMONY 564.0 KEV 0.7765

1301:	47.	50.	39.	53.	48.	46.	32.	42.	33.
1310:	38.	38.	33.	38.	52.	57.	53.	40.	36.
1319:	44.	39.	49.	36.	42.	50.	31.	41.	35.

% ARSENIC 657.4 KEV <0.0016

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1436.	21470.	0.0574	0.0004	0.8
%-ANTIMONY	564.1	851.	165686.	0.7765	0.0022	0.3
%-ARSENIC	657.4	218.	22. <	0.0016	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:23:43 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060AAZ
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11744.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 506:01 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 622. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	233.	223.	236.	256.	269.	270.	281.	371.	437.
1018:	692.	1039.	1753.	2748.	3952.	4690.	4567.	3496.	2293.
1027:	1183.	706.	453.	357.	241.	221.	209.	211.	197.

% COPPER 511.0 + 0.0 KEV 0.0614

1117:	315.	361.	469.	494.	512.	544.	722.	823.	1138.
1126:	2137.	7566.	25417.	50602.	51574.	24878.	5897.	814.	195.
1135:	129.	119.	119.	108.	92.	93.	82.	83.	85.

% ANTIMONY 564.1 + 0.3 KEV 0.8112

1301:	42.	48.	46.	54.	42.	46.	39.	37.	32.
1310:	50.	46.	48.	52.	58.	71.	50.	48.	43.
1319:	45.	45.	42.	43.	45.	33.	42.	31.	50.

% ARSENIC 657.4 + 0.3 KEV NOT DETECTABLE

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1503.	21996.	0.0614	0.0005	0.8
%-ANTIMONY	564.1	869.	167202.	0.8112	0.0023	0.3
%-ARSENIC	657.4	215.	64. <	0.0017	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:24:39 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060AAS
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12062.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 516:36 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 622. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	226.	239.	250.	268.	248.	269.	327.	383.	467.
1018:	680.	1007.	1760.	2901.	3950.	4581.	4504.	3572.	2299.
1027:	1231.	674.	455.	313.	269.	216.	201.	206.	198.

% COPPER 511.0 + 0.0 KEV 0.0606

1117:	323.	361.	481.	524.	538.	586.	741.	850.	1174.
1126:	2228.	7746.	26015.	52028.	52456.	25168.	5912.	789.	213.
1135:	138.	102.	105.	107.	97.	73.	78.	80.	82.

% ANTIMONY 567.4 + 0.0 KEV 0.8079

1301:	47.	44.	47.	34.	53.	35.	42.	50.	44.
1310:	38.	56.	53.	57.	44.	50.	50.	37.	42.
1319:	42.	35.	50.	33.	32.	44.	30.	50.	38.

% ARSENIC 657.4 + 0.0 KEV <0.0016

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1492.	22075.	0.0606	0.0005	0.8
%-ANTIMONY	564.1	862.	170691.	0.8079	0.0023	0.3
%-ARSENIC	657.4	201.	47. <	0.0016	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:25:34 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060AB1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9064.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 527:11 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 614. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	161.	155.	181.	158.	190.	214.	193.	239.	301.
1018:	420.	639.	1108.	1793.	2501.	3003.	2839.	2296.	1450.
1027:	806.	426.	297.	205.	158.	129.	127.	122.	119.

% COPPER 511.1 + 0.0 KEV 0 + 0.5115

1117:	200.	238.	287.	334.	340.	404.	463.	582.	709.
1126:	1393.	4985.	16481.	33479.	33968.	16890.	3662.	469.	97.
1135:	76.	74.	64.	55.	38.	46.	40.	48.	44.

% ANTIMONY 564.1 + 0.5 KEV 0 + 564.51

1301:	29.	27.	27.	31.	28.	24.	37.	31.	30.
1310:	29.	20.	27.	28.	26.	31.	29.	26.	27.
1319:	23.	23.	15.	30.	29.	24.	20.	22.	23.

% ARSENIC 657.4 + 0.0 KEV < 0 + 0.017

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	900.	14091.	0.00319	0.00005	0.9
%-ANTIMONY	564.1	540.	110318.	0.6961	0.0023	0.3
%-ARSENIC	657.4	131.	10. <	0.0017	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:26:29 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060AE2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 9515.000 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 537:38 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 615. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	166.	185.	167.	174.	191.	185.	208.	250.	331.
1018:	477.	705.	1131.	1961.	2797.	3153.	3092.	2451.	1524.
1027:	868.	476.	331.	212.	171.	139.	146.	133.	138.

% COPPER 511.1 ± 0.0 KEV 0.0536

1117:	250.	249.	329.	343.	365.	406.	477.	657.	835.
1126:	1511.	4950.	17094.	35563.	36642.	18549.	4406.	517.	102.
1135:	71.	60.	49.	60.	47.	47.	47.	37.	44.

% ANTIMONY 564.1 ± 0.3 KEV 0.7113

1301:	42.	20.	32.	33.	24.	31.	37.	25.	22.
1310:	22.	25.	23.	24.	26.	42.	33.	21.	22.
1319:	25.	30.	32.	31.	33.	34.	25.	24.	26.

% ARSENIC 657.4 ± 0.17 KEV <0.0017

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	988.	15121.	0.0536	0.0005	0.9
%-ANTIMONY	564.1	596.	118119.	0.7113	0.0023	0.3
%-ARSENIC	657.4	144.	5. <	0.0017	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:28:20 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060AC1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12505.00 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 21JUN80 558:40 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 622. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	229.	209.	261.	245.	265.	251.	317.	359.	433.
1018:	603.	910.	1579.	2589.	3778.	4352.	4199.	3324.	2216.
1027:	1190.	620.	448.	292.	223.	190.	186.	177.	197.

% COPPER 511.1 < 100 KEV 0.0567

1117:	304.	385.	449.	446.	482.	566.	636.	792.	1088.
1126:	2042.	7052.	23906.	48426.	49952.	24737.	5847.	749.	163.
1135:	122.	95.	101.	83.	94.	84.	88.	60.	82.

% ANTIMONY 564.1 < 100 KEV < 0.0016

1301:	52.	49.	50.	49.	45.	37.	43.	40.	26.
1310:	53.	33.	41.	35.	42.	36.	41.	39.	43.
1319:	35.	40.	36.	46.	44.	36.	43.	37.	32.

% ARSENIC 657.4 < 100 KEV < 0.0016

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1398.	20639.	0.0567	0.0004	0.8
%-ANTIMONY	564.1	837.	161125.	0.7411	0.0021	0.3
%-ARSENIC	657.4	218.	-23. <	0.0016	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:29:16 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060AC2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11547.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 609:16 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 620. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	222.	229.	252.	233.	243.	260.	288.	337.	417.
1018:	556.	907.	1565.	2557.	3581.	4170.	4015.	3130.	1999.
1027:	1149.	608.	418.	321.	220.	193.	174.	157.	185.

% COPPER 511.0 KEV 0.0591

1117:	349.	341.	429.	451.	514.	511.	685.	790.	1049.
1126:	2041.	7000.	24150.	47740.	48121.	23142.	5320.	701.	174.
1135:	127.	122.	91.	97.	78.	73.	81.	68.	62.

% ANTIMONY 564.1 KEV 0.7822

1301:	35.	57.	47.	40.	47.	42.	43.	40.	27.
1310:	45.	28.	33.	56.	38.	44.	41.	47.	35.
1319:	32.	34.	29.	45.	44.	42.	37.	36.	42.

% ARSENIC 657.4 KEV <0.0018

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1348.	19669.	0.0591	0.0005	0.8
%-ANTIMONY	564.1	759.	156755.	0.7822	0.0023	0.3
%-ARSENIC	657.4	219.	7. <	0.0018	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:30:11 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060AC3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12477.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 619:50 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 622. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	246.	251.	268.	279.	268.	275.	333.	325.	459.
1018:	645.	939.	1608.	2751.	3943.	4575.	4437.	3499.	2301.
1027:	1301.	683.	429.	292.	254.	224.	185.	197.	219.

% COPPER 511.0 KEV 0.0609

1117:	311.	387.	422.	518.	535.	591.	695.	878.	1192.
1126:	2237.	7438.	25414.	51411.	52432.	26080.	6144.	826.	161.
1135:	137.	129.	104.	91.	95.	78.	72.	84.	85.

% ANTIMONY 564.1 KEV 0.7881

1301:	47.	58.	40.	49.	56.	37.	35.	33.	36.
1310:	35.	40.	49.	40.	45.	48.	54.	45.	46.
1319:	43.	35.	34.	38.	47.	37.	34.	41.	43.

% ARSENIC 657.4 KEV <0.0016

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1439.	21675.	0.0609	0.0005	0.8
%-ANTIMONY	564.1	831.	170325.	0.7881	0.0022	0.3
%-ARSENIC	657.4	219.	18. <	0.0016	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:31:06 PM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060AD1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10774.00 UNITS: UG
 SAMPLE GEOMETRY: R14 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 630:25 * FWHH(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 619. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	223.	199.	202.	202.	238.	234.	266.	303.	375.
1018:	551.	783.	1391.	2309.	3160.	3793.	3627.	2833.	1925.
1027:	991.	550.	337.	242.	199.	196.	173.	188.	161.

% COPPER 511.0 KEV 0.0585

1117:	252.	325.	364.	414.	474.	529.	596.	700.	964.
1126:	1850.	6413.	21581.	43570.	44273.	21651.	5020.	677.	158.
1135:	106.	100.	85.	68.	67.	65.	78.	53.	59.

% ANTIMONY 564.0 KEV 0.7709

1301:	36.	28.	42.	26.	39.	35.	31.	34.	38.
1310:	28.	27.	35.	45.	26.	35.	37.	54.	39.
1319:	28.	29.	31.	32.	36.	34.	30.	37.	27.

% ARSENIC 657.4 KEV <0.0017

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1216.	17822.	0.0585	0.0005	0.8
%-ANTIMONY	564.1	750.	143608.	0.7709	0.0023	0.3
%-ARSENIC	657.4	170.	27. <	0.0017	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:32:02 PM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060AD2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10590.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 21JUN80 640:56 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	178.	194.	213.	208.	221.	230.	242.	287.	384.
1018:	492.	724.	1306.	2132.	3059.	3505.	3444.	2694.	1825.
1027:	1007.	536.	321.	256.	215.	168.	157.	153.	126.

% COPPER 511.0 KEV 0.0567

1117:	252.	320.	357.	387.	454.	490.	563.	708.	840.
1126:	1694.	5654.	19846.	40838.	42948.	21438.	5105.	660.	160.
1135:	92.	82.	93.	61.	74.	74.	63.	63.	57.

% ANTIMONY 564.0 KEV 0.7485

1301:	41.	38.	42.	39.	39.	32.	38.	29.	26.
1310:	25.	35.	28.	40.	41.	47.	40.	44.	35.
1319:	29.	33.	37.	33.	34.	36.	23.	25.	33.

% ARSENIC 657.4 KEV <0.0017

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1163.	16802.	0.0567	0.0005	0.9
%-ANTIMONY	564.1	725.	136799.	0.7485	0.0023	0.3
%-ARSENIC	657.4	171.	42. <	0.0017	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 21 JUN 1980 1:32:57 PM XXXXXXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 21JUN80 1107:00
 SAMPLE IDENTIFICATION: Q1060AD3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10021.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 21JUN80 651:27 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 618. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 20JUN80 1049:06 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	184.	194.	164.	180.	190.	249.	237.	270.	343.
1018:	501.	725.	1188.	2021.	2863.	3316.	3338.	2609.	1618.
1027:	963.	547.	343.	246.	198.	171.	148.	171.	158.

% COPPER 511.0 KEV 0.0568

1117:	249.	277.	321.	375.	446.	434.	523.	681.	899.
1126:	1635.	5438.	19322.	39446.	41615.	20677.	5021.	647.	147.
1135:	101.	89.	79.	69.	64.	56.	63.	54.	59.

% ANTIMONY 564.1 KEV 0.7675

1301:	45.	36.	48.	33.	33.	29.	21.	31.	38.
1310:	25.	31.	40.	34.	33.	40.	38.	36.	30.
1319:	22.	27.	26.	34.	45.	44.	42.	39.	29.

% ARSENIC 657.4 KEV <0.0019

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1159.	15795.	0.0568	0.0005	0.9
%-ANTIMONY	564.1	674.	132480.	0.7675	0.0024	0.3
%-ARSENIC	657.4	192.	-7. <	0.0019	NOT DETECTABLE	

42

Green Mill
 Series III
 In #27
 6/23/50
 %-ARSENIC

0061007 RF

GREENKILL

SAMPLE	SAM.WT.	%-COPPER	%-ANTIMONY	%-ARSENIC
S626A	12992.000	0.07584	0.70774	0.00291
S626B	11297.000	0.07864	0.71649	0.00327
S626C	14886.000	0.07952	0.73388	0.00294
		0.07800 AVG	0.71937 AVG	0.00304 AVG
		0.001920 SD	0.013307 SD	0.000197 SD
		2.461701 %RSD	1.849809 %RSD	6.485988 %RSD
S604A	13156.000	0.00721	2.01971	0.10238
S604B	13490.000	0.00749	1.98147	0.09901
S604C	13634.000	0.00687	1.97100	0.09870
		0.00719 AVG	1.99073 AVG	0.10003 AVG
		0.000311 SD	0.025642 SD	0.002039 SD
		4.323184 %RSD	1.288083 %RSD	2.038487 %RSD
Q1039A-1	13000.000	0.00236	0.11161	0.00068
Q1039A-2	12850.000	0.00232	0.11818	< 0.00064
Q1039A-3	12481.000	0.00219	0.10987	< 0.00062
		0.00229 AVG	0.11322 AVG	0.00068 AVG
		0.000092 SD	0.004386 SD	0.000000 SD
		4.028080 %RSD	3.873923 %RSD	0.000000 %RSD
Q1039B-1	12975.000	0.00239	0.12239	< 0.00063
Q1039B-2	12451.000	0.00232	0.12659	< 0.00068
Q1039B-3	12946.000	0.00234	0.11768	< 0.00065
		0.00235 AVG	0.12222 AVG	0.00000 AVG
		0.000037 SD	0.004457 SD	0.000000 SD
		1.562101 %RSD	3.646933 %RSD	0.000000 %RSD
Q1039C-1	12490.000	0.00228	0.03221	< 0.00066
Q1039C-2	12599.000	0.00231	0.03370	< 0.00067
Q1039C-3	13003.000	0.00221	0.03105	< 0.00063
		0.00227 AVG	0.03232 AVG	0.00000 AVG
		0.000051 SD	0.001331 SD	0.000000 SD
		2.235287 %RSD	4.116935 %RSD	0.000000 %RSD
Q1039D-1	13133.000	0.00251	0.12914	< 0.00069
Q1039D-2	12524.000	0.00295	0.13402	< 0.00076
Q1039D-3	13764.000	0.00250	0.12445	< 0.00064
		0.00266 AVG	0.12920 AVG	0.00000 AVG
		0.000258 SD	0.004788 SD	0.000000 SD
		9.707540 %RSD	3.705946 %RSD	0.000000 %RSD
Q1039E-1	16508.000	0.00207	0.02955	< 0.00047
Q1039E-2	14809.000	0.00207	0.03203	< 0.00054
Q1039E-3	13683.000	0.00192	0.02852	< 0.00051
		0.00202 AVG	0.03003 AVG	0.00000 AVG

0.000084 SD 0.001809 SD 0.000000 SD
4.145361 %RSD 6.025236 %RSD 0.000000 %RSD

Q1039F-1 14107.000 0.00267 0.13266 0.00088
Q1039F-2 13839.000 0.00256 0.13381 0.00088
Q1039F-3 13451.000 0.00248 0.13321 < 0.00067

0.00257 AVG 0.13322 AVG 0.00088 AVG
0.000093 SD 0.000575 SD 0.000210 SD
3.597850 %RSD 0.431899 %RSD 23.807264 %RSD

Q1039G-1 12977.000 0.00214 0.10710 < 0.00066
Q1039G-2 12799.000 0.00219 0.10929 0.00073
Q1039G-3 13529.000 0.00211 0.10585 < 0.00073

0.00215 AVG 0.10741 AVG 0.00073 AVG
0.000040 SD 0.001737 SD 0.000000 SD
1.848054 %RSD 1.617566 %RSD 0.000000 %RSD

Q1039H-1 12607.000 0.00248 0.11627 < 0.00080
Q1039H-2 12981.000 0.00229 0.11399 < 0.00076
Q1039H-3 13016.000 0.00212 0.10660 < 0.00078

0.00230 AVG 0.11229 AVG 0.000000 AVG
0.000180 SD 0.005059 SD 0.000000 SD
7.833655 %RSD 4.505363 %RSD 0.000000 %RSD

Q1039I-1 12776.000 0.00231 0.11495 0.00079
Q1039I-2 13563.000 0.00226 0.11772 < 0.00066
Q1039I-3 13404.000 0.00220 0.11061 < 0.00064

0.00226 AVG 0.11443 AVG 0.00079 AVG
0.000055 SD 0.003583 SD 0.000000 SD
2.435949 %RSD 3.131463 %RSD 0.000000 %RSD

Q1039J-1 15109.000 0.00212 0.11212 < 0.00058
Q1039J-2 16141.000 0.00236 0.11826 < 0.00059
Q1039J-3 13953.000 0.00211 0.11449 < 0.00077

0.00219 AVG 0.11496 AVG 0.000000 AVG
0.000142 SD 0.003100 SD 0.000000 SD
6.492071 %RSD 2.696345 %RSD 0.000000 %RSD

Q1039K-1 13063.000 0.00234 0.03244 < 0.00065
Q1029K-2 12732.000 0.00237 0.03311 < 0.00077
Q1039K-3 13098.000 0.00211 0.02952 < 0.00075

0.00227 AVG 0.03169 AVG 0.000000 AVG
0.000140 SD 0.001905 SD 0.000000 SD
6.146303 %RSD 6.012878 %RSD 0.000000 %RSD

Green Hill
 Series III
 Irr #7
 6/23/80

(TI)TITLE: 0061007 RF GREENKILL
 (LN)LIBRARY:
 (SA)SAMPLE TIME: 23JUN80 1027:00
 (SE)STD ENERGY TOLERANCE: 2.00
 (UE)UNK ENERGY TOLERANCE: 2.00
 (TF)THERMAL FLUX: 0.0000E-01
 (EF)EPITHERMAL FLUX: 0.0000E-01
 (FF)FAST FLUX: 0.0000E-01
 (QU)UNITS: UG

	ELEMENT	ENERGY	HALF-LIFE	SEC
1	%-COPPER	511.00	1.2800E 01 H	4.6080E 04
2	%-ANTIMONY	564.09	2.7200E 00 D	2.3501E 05
3	%-ARSENIC	657.41	2.6300E 01 H	9.4680E 04

STANDARD SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	12992.00	FBI1 .A01	100.0	100000.0
2	S626B	11297.00	FBI1 .A02	100.0	100000.0
3	S626C	14886.00	FBI1 .A03	100.0	100000.0
4	S604A	13156.00	FBI1 .A04	100.0	100000.0
5	S604B	13490.00	FBI1 .A05	100.0	100000.0
6	S604C	13634.00	FBI1 .A06	100.0	100000.0

STD: 1 S626A FILE= FBI1 .A01

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 2 S626B FILE= FBI1 .A02

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 3 S626C FILE= FBI1 .A03

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 4 S604A FILE= FBI1 .A04

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 5 S604B

FILE= FBI1 .A05

ELEMENT	ENERGY	CONC	ERROR
1 %-COPPER	511.00	0.0000E-01	0.0000E-01
2 %-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3 %-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 6 S604C

FILE= FBI1 .A06

ELEMENT	ENERGY	CONC	ERROR
1 %-COPPER	511.00	0.0000E-01	0.0000E-01
2 %-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3 %-ARSENIC	657.41	1.0000E-01	0.0000E-01

UNKNOWN SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	12992.00	FBI1 .A01	100.0	100000.0
2	S626B	11297.00	FBI1 .A02	100.0	100000.0
3	S626C	14886.00	FBI1 .A03	100.0	100000.0
4	S604A	13156.00	FBI1 .A04	100.0	100000.0
5	S604B	13490.00	FBI1 .A05	100.0	100000.0
6	S604C	13634.00	FBI1 .A06	100.0	100000.0
7	Q1039A-1	13000.00	FBI1 .A13	100.0	100000.0
8	Q1039A-2	12850.00	FBI1 .A14	100.0	100000.0
9	Q1039A-3	12481.00	FBI1 .A15	100.0	100000.0
10	Q1039B-1	12975.00	FBI1 .A16	100.0	100000.0
11	Q1039B-2	12451.00	FBI1 .A17	100.0	100000.0
12	Q1039B-3	12946.00	FBI1 .A18	100.0	100000.0
13	Q1039C-1	12490.00	FBI1 .A19	100.0	100000.0
14	Q1039C-2	12599.00	FBI1 .A20	100.0	100000.0
15	Q1039C-3	13003.00	FBI1 .A21	100.0	100000.0
16	Q1039D-1	13133.00	FBI1 .A22	100.0	100000.0
17	Q1039D-2	12524.00	FBI1 .A23	100.0	100000.0
18	Q1039D-3	13764.00	FBI1 .A24	100.0	100000.0
19	Q1039E-1	16508.00	FBI1 .A25	100.0	100000.0
20	Q1039E-2	14809.00	FBI1 .A26	100.0	100000.0
21	Q1039E-3	13683.00	FBI1 .A27	100.0	100000.0
22	Q1039F-1	14107.00	FBI1 .A28	100.0	100000.0
23	Q1039F-2	13839.00	FBI1 .A29	100.0	100000.0
24	Q1039F-3	13451.00	FBI1 .A30	100.0	100000.0
25	Q1039G-1	12977.00	FBI1 .A31	100.0	100000.0
26	Q1039G-2	12799.00	FBI1 .A32	100.0	100000.0
27	Q1039G-3	13529.00	FBI1 .A33	100.0	100000.0
28	Q1039H-1	12607.00	FBI1 .A34	100.0	100000.0
29	Q1039H-2	12981.00	FBI1 .A35	100.0	100000.0
30	Q1039H-3	13016.00	FBI1 .A36	100.0	100000.0
31	Q1039I-1	12776.00	FBI1 .A37	100.0	100000.0
32	Q1039I-2	13563.00	FBI1 .A38	100.0	100000.0
33	Q1039I-3	13404.00	FBI1 .A39	100.0	100000.0
34	Q1039J-1	15109.00	FBI1 .A40	100.0	100000.0
35	Q1039J-2	16141.00	FBI1 .A41	100.0	100000.0
36	Q1039J-3	13953.00	FBI1 .A42	100.0	100000.0
37	Q1039K-1	13063.00	FBI1 .A43	100.0	100000.0
38	Q1029K-2	12732.00	FBI1 .A44	100.0	100000.0
39	Q1039K-3	13098.00	FBI1 .A45	100.0	100000.0

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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
SAMPLE IDENTIFICATION: S626B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 11297.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1221:25 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR	CONSTANT	ERROR
				(1 SIGMA)		(1 SIGMA)
%-COPPER	511.0	54302.	7.8000E-02	0.0000E-01	1.1441E-01	5.0423E-04
%-ANTIMONY	564.1	141987.	7.2000E-01	0.0000E-01	2.9716E-02	7.9317E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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XXXXXXXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:11:15 AM XXXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
SAMPLE IDENTIFICATION: S626C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 14886.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1232:00 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 630. SEC * SHAPE PARAMETER: 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	71666.	7.8000E-02	0.0000E-01	1.1570E-01	4.4379E-04
%-ANTIMONY	564.1	191276.	7.2000E-01	0.0000E-01	3.0437E-02	7.0014E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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24 JUN 1980 9:11:58 AM XX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
SAMPLE IDENTIFICATION: S604A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 13156.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1242:43 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 666. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	6617.	1.0000E-01	0.0000E-01	8.9186E-03	1.2513E-04

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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
SAMPLE IDENTIFICATION: S604C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 13634.00 UNITS: UG
SAMPLE GEOMETRY: RT4 5MIN
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1358:02 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 665. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

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STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	6396.	1.0000E-01	0.0000E-01	8.5982E-03	1.2293E-04

SUMMARY OF STANDARD CONSTANTS:

1. ELEMENT Z-COPPER AT 511.00 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.8000E-02	1.1035E-01	4.5974E-04
S626B	7.8000E-02	1.1441E-01	5.0423E-04
S626C	7.8000E-02	1.1570E-01	4.4379E-04
MEAN CONSTANT, 3 STDS:		1.1349E-01	2.6976E-04

2. ELEMENT Z-ANTIMONY AT 564.09 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S626A	7.2000E-01	2.9353E-02	7.3444E-05
S626B	7.2000E-01	2.9716E-02	7.9317E-05
S626C	7.2000E-01	3.0437E-02	7.0014E-05
MEAN CONSTANT, 3 STDS:		2.9862E-02	4.2704E-05

3. ELEMENT Z-ARSENIC AT 657.41 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S604A	1.0000E-01	8.9186E-03	1.2513E-04
S604B	1.0000E-01	8.6255E-03	1.2261E-04
S604C	1.0000E-01	8.5982E-03	1.2293E-04
MEAN CONSTANT, 3 STDS:		8.7115E-03	7.1325E-05

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 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:14:17 AM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: S626A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12992.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1210:47 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 625. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	296.	306.	323.	352.	384.	428.	573.	725.	1056.
1018:	1590.	2727.	4929.	8084.	11225.	12615.	11735.	8618.	5292.
1027:	2620.	1398.	817.	522.	378.	264.	233.	215.	220.

% COPPER 511.0 KEV 0.0756

1117:	404.	656.	995.	977.	673.	671.	715.	884.	1252.
1126:	2679.	9984.	31034.	53027.	44273.	18009.	3536.	514.	174.
1135:	160.	145.	140.	95.	101.	105.	96.	90.	86.

% ANTIMONY 564.0 KEV 0.7077

1301:	46.	59.	57.	43.	54.	43.	63.	49.	48.
1310:	50.	38.	53.	63.	97.	114.	93.	74.	42.
1319:	39.	45.	47.	51.	52.	50.	49.	47.	40.

% ARSENIC 657.4 KEV 0.0029

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
Z-COPPER	511.0	1688.	60810.	0.0758	0.0004	0.3
Z-ANTIMONY	564.1	943.	161599.	0.7077	0.0020	0.3
Z-ARSENIC	657.4	253.	189.	0.0029	0.0004	14.0

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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: S626B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11297.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1221:25 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 623. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	282.	307.	295.	329.	333.	432.	453.	600.	915.
1018:	1370.	2456.	4431.	7380.	10057.	11313.	10286.	7751.	4569.
1027:	2394.	1198.	706.	422.	293.	232.	196.	212.	170.

% COPPER 511.0 KEV 0.0786

1117:	362.	590.	859.	798.	686.	572.	624.	787.	1147.
1126:	2416.	8991.	27642.	46618.	38764.	15381.	2997.	427.	164.
1135:	104.	104.	84.	96.	92.	90.	84.	80.	73.

% ANTIMONY 564.1 KEV 0.7165

1301:	45.	45.	37.	54.	51.	45.	44.	47.	39.
1310:	50.	40.	43.	60.	86.	103.	88.	66.	49.
1319:	43.	62.	37.	30.	38.	48.	41.	51.	39.

% ARSENIC 657.4 KEV 0.0033

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1485.	54302.	0.0786	0.0004	0.5
%-ANTIMONY	564.1	822.	141987.	0.7165	0.0022	0.3
%-ARSENIC	657.4	220.	183.	0.0033	0.0004	13.7

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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: S626C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14886.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1232:00 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 630. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	347.	399.	421.	398.	484.	541.	660.	869.	1277.
1018:	1907.	3266.	5962.	9778.	13321.	14854.	13506.	10162.	6032.
1027:	3025.	1664.	963.	633.	467.	293.	286.	248.	284.

% COPPER 511.0 0.0795

1117:	489.	806.	1093.	1136.	855.	777.	844.	1053.	1493.
1126:	3455.	12439.	37959.	62887.	51519.	20194.	3978.	562.	256.
1135:	195.	181.	151.	130.	155.	124.	128.	114.	107.

% ANTIMONY 564.1 0.7339

1301:	60.	66.	67.	69.	63.	53.	58.	57.	64.
1310:	47.	56.	67.	82.	97.	136.	102.	92.	66.
1319:	56.	56.	45.	61.	64.	48.	47.	48.	61.

% ARSENIC 657.4 0.0029

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	1950.	71666.	0.0795	0.0004	0.5
%-ANTIMONY	564.1	1155.	191276.	0.7339	0.0020	0.3
%-ARSENIC	657.4	293.	216.	0.0029	0.0004	13.1

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 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:17:04 AM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: S604A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13156.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1242:43 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 666. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	672.	693.	672.	736.	699.	749.	692.	763.	703.
1018:	817.	941.	1115.	1460.	1768.	1871.	1677.	1377.	1109.
1027:	837.	781.	690.	660.	598.	660.	637.	664.	644.

% COPPER 511.1 + 0.0 KEV 0.00072

1117:	5594.	14644.	22653.	17917.	7845.	3202.	2498.	2898.	4357.
1126:	10359.	37339.	100865.	152998.	114578.	42711.	8976.	2070.	1094.
1135:	852.	723.	664.	623.	553.	487.	534.	496.	474.

% ANTIMONY 564.1 + 0.9 KEV 2.0197

1301:	239.	234.	231.	242.	197.	218.	243.	209.	236.
1310:	218.	264.	372.	807.	1775.	2430.	1805.	800.	332.
1319:	190.	215.	175.	184.	171.	181.	159.	184.	191.

% ARSENIC 657.4 + 4.0 KEV 0.1024

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	4689.	5688.	0.0072	0.0002	2.2
%-ANTIMONY	564.1	3498.	464328.	2.0197	0.0042	0.2
%-ARSENIC	657.4	1001.	6617.	0.1024	0.0017	1.6

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 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:18:00 AM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: S604B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13490.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1254:01 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 667. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	743.	731.	669.	715.	675.	669.	697.	694.	719.
1018:	766.	959.	1147.	1494.	1793.	1915.	1719.	1486.	1127.
1027:	881.	749.	723.	652.	659.	648.	599.	598.	600.

% COPPER 511.0 KEV 0.0075

1117:	5586.	14192.	22209.	17666.	7933.	3101.	2359.	2929.	4150.
1126:	10143.	36438.	101087.	152983.	115556.	44087.	9461.	2106.	1102.
1135:	865.	729.	655.	599.	537.	511.	465.	454.	483.

% ANTIMONY 564.0 KEV 1.9815

1301:	224.	206.	249.	197.	233.	253.	214.	228.	230.
1310:	246.	268.	369.	874.	1829.	2323.	1748.	797.	303.
1319:	235.	198.	187.	169.	198.	199.	192.	188.	178.

% ARSENIC 657.4 KEV 0.0990

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	4689.	5992.	0.0075	0.0002	2.1
%-ANTIMONY	564.1	3587.	466168.	1.9815	0.0041	0.2
%-ARSENIC	657.4	1042.	6529.	0.0990	0.0016	1.6

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 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:18:56 AM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: S604C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13634.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 23JUN80 1358:02 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 665. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	705.	688.	636.	699.	715.	701.	687.	730.	759.
1018:	744.	940.	1110.	1397.	1727.	1759.	1628.	1309.	1015.
1027:	834.	683.	627.	656.	655.	602.	595.	619.	596.

% COPPER 511.0 KEV 0.0069

1117:	5559.	14472.	21880.	17120.	7609.	3102.	2393.	2866.	4304.
1126:	10709.	38097.	102412.	152529.	112978.	41519.	8630.	1999.	1069.
1135:	826.	734.	638.	619.	547.	521.	518.	465.	502.

% ANTIMONY 564.1 KEV 1.9710

1301:	221.	182.	247.	220.	220.	196.	214.	245.	251.
1310:	240.	229.	386.	862.	1748.	2307.	1693.	768.	299.
1319:	202.	183.	190.	188.	183.	179.	184.	166.	173.

% ARSENIC 657.4 KEV 0.0987

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	4703.	5242.	0.0069	0.0002	2.3
%-ANTIMONY	564.1	3497.	463377.	1.9710	0.0041	0.2
%-ARSENIC	657.4	983.	6396.	0.0987	0.0016	1.6

XX
 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:19:52 AM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039A-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13000.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1514:50 * FWHM(1332): 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	38.	41.	39.	37.	44.	33.	37.	42.	48.
1018:	65.	82.	172.	225.	326.	342.	357.	254.	175.
1027:	102.	59.	52.	30.	49.	42.	30.	31.	22.

% COPPER 511.1 + 0.0 KEV 0.0024

1117:	66.	93.	178.	153.	127.	103.	109.	133.	216.
1126:	377.	1449.	4591.	8095.	7046.	2754.	536.	61.	18.
1135:	12.	15.	11.	17.	14.	16.	18.	17.	10.

% ANTIMONY 564.1 + 0.5 KEV 0.1116

1301:	12.	19.	16.	4.	12.	5.	14.	9.	13.
1310:	9.	11.	15.	11.	25.	20.	26.	15.	11.
1319:	8.	3.	11.	11.	16.	17.	6.	7.	14.

% ARSENIC 657.4 + 0 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	246.	1605.	0.0024	0.0001	2.9
%-ANTIMONY	564.1	165.	24683.	0.1116	0.0007	0.7
%-ARSENIC	657.4	57.	41.	6.7783E-04	2.0744E-04	30.6

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 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:20:47 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039A-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12850.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1525:08 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	40.	40.	29.	35.	50.	37.	38.	54.	56.
1018:	86.	91.	168.	226.	299.	358.	329.	257.	168.
1027:	119.	57.	49.	38.	33.	37.	23.	31.	44.

% COPPER 511.0 KEV 0.0023

1117:	67.	123.	148.	167.	121.	121.	122.	149.	193.
1126:	416.	1444.	4824.	8453.	7273.	2995.	547.	59.	25.
1135:	16.	26.	17.	13.	11.	18.	11.	12.	14.

% ANTIMONY 564.0 KEV 0.1182

1301:	20.	12.	11.	16.	8.	13.	15.	14.	18.
1310:	8.	7.	13.	12.	13.	23.	28.	9.	14.
1319:	13.	16.	7.	9.	8.	7.	13.	14.	7.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	261.	1544.	0.0023	0.0001	3.0
%-ANTIMONY	564.1	163.	25789.	0.1182	0.0008	0.6
%-ARSENIC	657.4	56.	33.	< 6.3531E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:21:43 AM XXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039A-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12481.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1535:27 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	32.	35.	39.	34.	55.	43.	43.	45.	63.
1018:	53.	87.	149.	205.	300.	294.	298.	249.	142.
1027:	95.	69.	37.	24.	33.	30.	43.	29.	33.

% COPPER 511.1 + 0.0 KEV 0.0022

1117:	71.	86.	140.	129.	114.	97.	129.	140.	197.
1126:	367.	1374.	4258.	7521.	6609.	2720.	529.	61.	15.
1135:	20.	20.	14.	19.	14.	11.	14.	11.	10.

% ANTIMONY 564.1 + 0.5 KEV 0.1099

1301:	6.	12.	12.	7.	15.	7.	14.	7.	9.
1310:	13.	9.	3.	11.	18.	15.	17.	10.	9.
1319:	8.	13.	10.	8.	9.	18.	7.	3.	6.

% ARSENIC 657.4 + 0.0 KEV < 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	237.	1400.	0.0022	0.0001	3.1
%-ANTIMONY	564.1	134.	23244.	0.1099	0.0007	0.7
%-ARSENIC	657.4	49.	22.	< 6.2026E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:22:38 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039B-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12975.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1545:45 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NER ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	45.	40.	42.	54.	48.	44.	35.	58.	46.
1018:	70.	80.	164.	250.	317.	346.	351.	251.	159.
1027:	87.	61.	53.	48.	25.	37.	31.	34.	33.

% COPPER 511.0 KEV 0.0024

1117:	71.	125.	171.	167.	134.	123.	129.	145.	206.
1126:	455.	1507.	5017.	8760.	7549.	3132.	605.	64.	20.
1135:	23.	14.	21.	14.	20.	8.	13.	8.	12.

% ANTIMONY 564.4 KEV 0.1224

1301:	9.	12.	11.	12.	12.	7.	15.	11.	14.
1310:	11.	8.	11.	11.	18.	24.	21.	12.	12.
1319:	12.	6.	16.	6.	8.	17.	12.	12.	9.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	262.	1576.	0.0024	0.0001	2.9
%-ANTIMONY	564.1	157.	26868.	0.1224	0.0008	0.6
%-ARSENIC	657.4	55.	33.	< 6.2958E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:23:35 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039E-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12451.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1556:03 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	44.	45.	45.	42.	33.	41.	43.	49.	50.
1018:	65.	94.	165.	205.	288.	326.	307.	254.	175.
1027:	94.	68.	43.	29.	33.	43.	42.	32.	35.

% COPPER 511.0 KEV 0.0023

1117:	54.	120.	163.	147.	114.	79.	112.	150.	198.
1126:	399.	1579.	4970.	8774.	7433.	3072.	564.	75.	22.
1135:	18.	15.	16.	27.	13.	23.	14.	16.	19.

% ANTIMONY 564.1 KEV 0.1266

1301:	15.	15.	14.	12.	10.	12.	8.	13.	15.
1310:	21.	15.	8.	19.	20.	17.	22.	14.	11.
1319:	18.	14.	7.	7.	8.	15.	6.	16.	10.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	265.	1455.	0.0023	0.0001	3.1
%-ANTIMONY	564.1	172.	26619.	0.1266	0.0008	0.6
%-ARSENIC	657.4	58.	35.	< 6.7564E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:24:31 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039E-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12946.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1606:22 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 3.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	43.	47.	40.	46.	31.	33.	39.	39.	53.
1018:	65.	96.	168.	249.	300.	337.	314.	247.	145.
1027:	79.	68.	38.	35.	43.	36.	42.	30.	19.

% COPPER 511.0 KEV 0.0023

1117:	59.	116.	165.	145.	112.	94.	117.	152.	173.
1126:	398.	1499.	4769.	8538.	7182.	2892.	554.	69.	17.
1135:	18.	16.	14.	9.	10.	11.	8.	9.	6.

% ANTIMONY 564.0 KEV 0.1177

1301:	7.	14.	13.	11.	19.	6.	16.	12.	10.
1310:	6.	12.	7.	17.	22.	18.	26.	12.	10.
1319:	7.	9.	7.	10.	14.	9.	8.	11.	5.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	251.	1509.	0.0023	0.0001	3.0
%-ANTIMONY	564.1	150.	25682.	0.1177	0.0008	0.6
%-ARSENIC	657.4	58.	37.	< 6.5275E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:25:38 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039C-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12490.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1616:42 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	20.	18.	18.	31.	24.	25.	29.	37.	30.
1018:	46.	81.	129.	189.	285.	301.	266.	224.	139.
1027:	63.	40.	28.	29.	16.	16.	12.	10.	15.

% COPPER 511.00 KEV 0.0023

1117:	19.	15.	24.	30.	34.	28.	36.	59.	60.
1126:	102.	392.	1285.	2229.	1913.	775.	158.	27.	15.
1135:	9.	13.	9.	15.	12.	11.	11.	9.	7.

% ANTIMONY 564.05 KEV 0.0322

1301:	7.	9.	13.	13.	8.	12.	5.	14.	8.
1310:	7.	13.	12.	9.	11.	16.	12.	11.	8.
1319:	19.	15.	8.	11.	13.	15.	8.	7.	10.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	125.	1408.	0.0023	0.0001	2.9
%-ANTIMONY	564.1	85.	6769.	0.0322	0.0004	1.2
%-ARSENIC	657.4	55.	-2.	< 6.6297E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:26:34 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039C-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12599.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 23JUN80 1626:57 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	18.	21.	22.	20.	27.	23.	25.	25.	40.
1018:	46.	70.	139.	205.	266.	318.	276.	231.	134.
1027:	75.	33.	23.	20.	15.	19.	12.	25.	13.

% COPPER 511.0 KEV 0.0023

1117:	28.	25.	35.	24.	31.	32.	31.	45.	59.
1126:	121.	437.	1306.	2371.	2060.	801.	149.	25.	9.
1135:	15.	12.	13.	11.	17.	20.	4.	11.	11.

% ANTIMONY 564.0 KEV 0.0337

1301:	10.	11.	12.	8.	10.	13.	10.	11.	12.
1310:	18.	13.	14.	13.	14.	11.	11.	13.	11.
1319:	14.	12.	12.	9.	12.	12.	13.	11.	16.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	146.	1423.	0.0023	0.0001	2.9
%-ANTIMONY	564.1	113.	7132.	0.0337	0.0004	1.2
%-ARSENIC	657.4	36.	9.	< 6.6579E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:27:29 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039C-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13003.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1637:12 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	20.	9.	19.	15.	23.	25.	33.	33.	31.
1018:	49.	78.	109.	192.	278.	335.	253.	210.	131.
1027:	78.	44.	31.	27.	25.	17.	22.	25.	14.

% COPPER 511.1 + 0.0 KEV 0.00222

1117:	8.	22.	27.	27.	32.	29.	19.	50.	65.
1126:	99.	393.	1276.	2202.	1975.	759.	163.	24.	7.
1135:	15.	10.	5.	7.	10.	9.	10.	8.	8.

% ANTIMONY 564.1 + 0.9 KEV 0.0310

1301:	10.	13.	8.	10.	9.	8.	10.	6.	9.
1310:	15.	6.	10.	8.	7.	14.	9.	11.	6.
1319:	15.	7.	17.	20.	6.	6.	13.	12.	9.

% ARSENIC 657.4 + 0 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	114.	1394.	0.0022	0.0001	2.9
%-ANTIMONY	564.1	99.	6768.	0.0310	0.0004	1.2
%-ARSENIC	657.4	53.	-4.	< 6.3155E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:28:24 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: U1039D--1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13133.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1647:31 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	37.	42.	33.	40.	45.	60.	49.	42.	50.
1018:	90.	96.	149.	238.	341.	374.	349.	242.	168.
1027:	95.	82.	63.	49.	49.	35.	30.	40.	34.

% COPPER 511.0 KEV 0.0025

1117:	78.	116.	163.	186.	132.	111.	130.	176.	209.
1126:	439.	1684.	5146.	9162.	8084.	3376.	678.	75.	19.
1135:	18.	16.	25.	14.	21.	16.	10.	13.	13.

% ANTIMONY 564.0 KEV 0.1291

1301:	18.	15.	9.	10.	22.	12.	14.	11.	8.
1310:	10.	7.	8.	13.	24.	20.	20.	17.	15.
1319:	11.	14.	13.	8.	14.	17.	9.	13.	17.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	273.	1588.	0.0025	0.0001	2.9
%-ANTIMONY	564.1	185.	28384.	0.1291	0.0008	0.6
%-ARSENIC	657.4	65.	32.	< 6.9117E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:29:20 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039D-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12524.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1657:50 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	56.	50.	39.	41.	60.	49.	63.	60.	63.
1018:	80.	126.	174.	267.	371.	392.	363.	293.	197.
1027:	110.	71.	68.	42.	33.	43.	40.	37.	36.

% COPPER 511.0 KEV 0.0030

1117:	77.	128.	202.	201.	151.	102.	136.	131.	219.
1126:	450.	1625.	5295.	9244.	7849.	3119.	642.	82.	26.
1135:	21.	27.	23.	12.	25.	17.	17.	16.	12.

% ANTIMONY 564.0 KEV 0.1340

1301:	20.	23.	8.	16.	11.	19.	10.	12.	11.
1310:	14.	16.	17.	18.	18.	17.	33.	22.	12.
1319:	16.	16.	14.	18.	12.	10.	8.	17.	16.

% ARSENIC 657.4 KEV <0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	295.	1762.	0.0030	0.0001	2.8
%-ANTIMONY	564.1	185.	28039.	0.1340	0.0008	0.6
%-ARSENIC	657.4	71.	37.	< 7.6145E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:30:15 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039D-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13764.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1708:08 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY: NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	34.	41.	41.	52.	38.	40.	50.	60.	80.
1018:	79.	97.	164.	234.	357.	374.	359.	261.	160.
1027:	105.	77.	55.	49.	39.	35.	38.	33.	44.

% COPPER 511.0 KEV 0.0025

1117:	82.	145.	207.	185.	123.	100.	137.	142.	218.
1126:	458.	1663.	5390.	9347.	7961.	3294.	627.	73.	24.
1135:	16.	16.	16.	21.	15.	16.	16.	17.	22.

% ANTIMONY 564.1 KEV 0.1244

1301:	16.	10.	16.	10.	15.	11.	10.	16.	12.
1310:	11.	7.	18.	19.	19.	17.	20.	17.	8.
1319:	15.	11.	7.	6.	10.	16.	14.	10.	10.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	283.	1624.	0.0025	0.0001	2.9
%-ANTIMONY	564.1	179.	28562.	0.1244	0.0008	0.6
%-ARSENIC	657.4	59.	34.	< 6.3844E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:31:11 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039E-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 16508.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1718:28 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	8.	17.	15.	19.	24.	22.	25.	31.	28.
1018:	49.	74.	123.	221.	300.	331.	341.	238.	160.
1027:	93.	36.	35.	20.	15.	11.	15.	17.	16.

% COPPER 511.0 - 100 KEV 0.0021

1117:	16.	32.	33.	23.	34.	34.	38.	50.	78.
1126:	144.	417.	1461.	2666.	2344.	991.	189.	23.	10.
1135:	11.	3.	12.	10.	6.	5.	11.	15.	10.

% ANTIMONY 564.0 - 105 KEV 0.0295

1301:	9.	12.	5.	11.	13.	10.	3.	4.	6.
1310:	6.	9.	7.	11.	6.	7.	14.	11.	7.
1319:	4.	7.	4.	10.	8.	10.	6.	6.	7.

% ARSENIC 657.4 - 100 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	116.	1399.	0.0021	0.0001	2.7
%-ANTIMONY	564.1	94.	8118.	0.0295	0.0003	1.1
%-ARSENIC	657.4	46.	3. <	4.7418E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:32:06 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039E-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14809.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1728:42 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	20.	29.	21.	22.	23.	21.	25.	30.	35.
1018:	43.	67.	128.	219.	284.	304.	275.	188.	125.
1027:	88.	44.	22.	28.	19.	21.	4.	14.	12.

% COPPER 511.0 KEV 0.0021

1117:	29.	25.	26.	24.	36.	40.	43.	51.	64.
1126:	130.	441.	1463.	2625.	2238.	879.	187.	26.	13.
1135:	8.	7.	6.	7.	15.	4.	5.	10.	12.

% ANTIMONY 564.09 KEV 0.0320

1301:	12.	9.	7.	13.	4.	9.	8.	9.	9.
1310:	7.	13.	6.	10.	8.	5.	13.	7.	7.
1319:	9.	9.	9.	15.	5.	11.	16.	7.	10.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	104.	1419.	0.0021	0.0001	2.9
%-ANTIMONY	564.1	81.	7882.	0.0320	0.0004	1.1
%-ARSENIC	657.4	48.	-6.	< 5.4421E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:33:01 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039E-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13683.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1738:57 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	18.	18.	18.	14.	20.	16.	27.	22.	29.
1018:	33.	75.	118.	155.	219.	268.	253.	184.	104.
1027:	60.	34.	28.	24.	13.	25.	7.	9.	8.

% COPPER 511.0 KEV 0.0019

1117:	13.	23.	19.	11.	25.	24.	31.	42.	51.
1126:	102.	384.	1254.	2051.	1821.	757.	152.	22.	13.
1135:	8.	9.	11.	13.	2.	6.	9.	10.	6.

% ANTIMONY 564.0 KEV 0.0285

1301:	9.	9.	8.	13.	7.	10.	5.	3.	6.
1310:	10.	8.	3.	12.	6.	4.	3.	6.	7.
1319:	13.	2.	8.	7.	4.	7.	2.	3.	7.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	92.	1209.	0.0019	0.0001	3.1
%-ANTIMONY	564.1	50.	6471.	0.0285	0.0004	1.3
%-ARSENIC	657.4	35.	-2.	< 5.1192E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:33:57 AM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039F-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 14107.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1749:10 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	41.	46.	50.	46.	49.	44.	46.	64.	49.
1018:	83.	105.	188.	248.	330.	407.	358.	295.	163.
1027:	104.	67.	55.	50.	34.	50.	36.	39.	27.

% COPPER 511.0 KEV 0.0027

1117:	72.	166.	206.	194.	125.	121.	142.	180.	268.
1126:	535.	1995.	5965.	10132.	8560.	3377.	591.	59.	20.
1135:	13.	20.	18.	15.	6.	12.	18.	20.	12.

% ANTIMONY 564.1 KEV 0.1327

1301:	10.	11.	14.	12.	11.	10.	8.	16.	14.
1310:	14.	17.	5.	16.	22.	24.	23.	22.	11.
1319:	9.	12.	8.	5.	8.	8.	13.	15.	14.

% ARSENIC 657.4 KEV 0.0009

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	277.	1713.	0.0027	0.0001	2.8
%-ANTIMONY	564.1	176.	30979.	0.1327	0.0008	0.6
%-ARSENIC	657.4	54.	54.	8.8301E-04	2.0923E-04	23.7

XX
 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:34:52 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039F-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13839.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1759:29 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	52.	46.	40.	54.	51.	51.	51.	63.	54.
1018:	82.	116.	172.	230.	376.	383.	351.	243.	150.
1027:	104.	85.	61.	64.	40.	38.	41.	37.	50.

% COPPER 511.1 + 0.0 KEV 0.0026

1117:	71.	145.	204.	190.	113.	143.	131.	177.	200.
1126:	504.	1874.	5846.	10169.	8421.	3355.	617.	70.	26.
1135:	18.	31.	9.	24.	28.	12.	10.	16.	19.

% ANTIMONY 564.1 + 0.0 KEV 0.1338

1301:	19.	9.	11.	9.	11.	12.	16.	10.	19.
1310:	6.	11.	17.	13.	22.	22.	26.	22.	14.
1319:	12.	13.	17.	10.	15.	7.	11.	13.	10.

% ARSENIC 657.4 + 0.0 KEV 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	307.	1598.	0.0026	0.0001	3.0
%-ANTIMONY	564.1	188.	30598.	0.1338	0.0008	0.6
%-ARSENIC	657.4	54.	52.	8.7885E-04	2.1391E-04	24.3

XX
 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:35:47 AM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039F-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13451.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1809:48 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	49.	44.	34.	34.	45.	32.	49.	51.	71.
1018:	84.	103.	162.	244.	316.	356.	298.	256.	147.
1027:	102.	62.	56.	58.	32.	28.	44.	46.	45.

% COPPER 511.0 KEV 0.0025

1117:	69.	117.	201.	198.	141.	114.	132.	166.	215.
1126:	482.	1885.	5615.	9828.	8181.	3183.	562.	65.	18.
1135:	21.	16.	14.	12.	10.	15.	9.	15.	14.

% ANTIMONY 564.0 KEV 0.1332

1301:	11.	16.	11.	8.	13.	10.	13.	7.	15.
1310:	9.	7.	11.	17.	17.	21.	18.	19.	13.
1319:	9.	12.	13.	13.	12.	12.	13.	10.	15.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	287.	1492.	0.0025	0.0001	3.1
%-ANTIMONY	564.1	183.	29553.	0.1332	0.0008	0.6
%-ARSENIC	657.4	59.	33.	< 6.7123E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:36:43 AM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039G-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12977.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1820:07 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	46.	45.	41.	30.	41.	35.	39.	47.	50.
1018:	62.	87.	135.	197.	236.	285.	263.	204.	146.
1027:	109.	55.	55.	32.	32.	30.	23.	29.	31.

% COPPER 511.1 + 0.0 KEV 0.0021

1117:	59.	113.	137.	127.	114.	89.	128.	128.	203.
1126:	346.	1412.	4425.	7617.	6298.	2464.	463.	58.	13.
1135:	22.	11.	18.	11.	15.	17.	9.	15.	12.

% ANTIMONY 564.1 + 0.5 KEV 0.1071

1301:	13.	10.	10.	13.	13.	16.	7.	4.	13.
1310:	10.	8.	7.	9.	18.	16.	24.	14.	14.
1319:	12.	9.	12.	9.	5.	6.	11.	10.	13.

% ARSENIC 657.4 + 0 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	235.	1231.	0.0021	0.0001	3.4
%-ANTIMONY	564.1	144.	22881.	0.1071	0.0007	0.7
%-ARSENIC	657.4	52.	35.	< 6.5621E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:37:38 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q103YG-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12799.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1830:26 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	27.	36.	27.	43.	38.	38.	31.	49.	48.
1018:	63.	87.	136.	192.	276.	280.	269.	202.	122.
1027:	80.	59.	47.	48.	38.	26.	33.	38.	41.

% COPPER 511.1 + 0.0 KEV 0.0022

1117:	74.	109.	123.	151.	99.	95.	113.	144.	179.
1126:	421.	1457.	4421.	7698.	6213.	2481.	441.	42.	26.
1135:	20.	21.	12.	14.	14.	17.	7.	16.	20.

% ANTIMONY 564.1 + 0.9 KEV 0.1093

1301:	7.	14.	13.	9.	17.	12.	16.	13.	8.
1310:	9.	14.	13.	16.	13.	30.	18.	19.	10.
1319:	14.	12.	10.	10.	9.	12.	7.	10.	11.

% ARSENIC 657.4 + 0.0 KEV 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	249.	1229.	0.0022	0.0001	3.4
%-ANTIMONY	564.1	146.	22986.	0.1093	0.0007	0.7
%-ARSENIC	657.4	57.	40.	7.3171E-04	2.2884E-04	31.3

XX
 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:38:33 AM XXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039G-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13529.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1840:45 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	29.	39.	29.	41.	34.	37.	42.	51.	43.
1018:	49.	83.	118.	198.	266.	300.	257.	192.	145.
1027:	89.	57.	45.	46.	30.	37.	34.	44.	32.

% COPPER 511.0 KEV 0.0021

1117:	63.	106.	155.	149.	124.	109.	100.	146.	173.
1126:	371.	1446.	4626.	7654.	6579.	2502.	462.	51.	17.
1135:	19.	13.	18.	13.	14.	19.	18.	15.	16.

% ANTIMONY 564.0 KEV 0.1059

1301:	11.	15.	12.	18.	13.	11.	18.	6.	21.
1310:	20.	9.	11.	14.	12.	18.	27.	17.	8.
1319:	10.	14.	11.	13.	11.	14.	14.	17.	15.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	236.	1240.	0.0021	0.0001	3.3
%-ANTIMONY	564.1	148.	23492.	0.1059	0.0007	0.7
%-ARSENIC	657.4	69.	19.	< 7.2769E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:39:29 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039M-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12607.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1851:03 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	51.	38.	37.	44.	36.	37.	35.	54.	58.
1018:	70.	75.	132.	199.	281.	321.	271.	249.	143.
1027:	83.	58.	54.	47.	32.	40.	23.	45.	35.

% COPPER 511.0 KEV 0.0025

1117:	64.	107.	171.	154.	113.	82.	117.	147.	195.
1126:	398.	1530.	4639.	7914.	6630.	2581.	480.	61.	24.
1135:	14.	13.	20.	13.	15.	20.	13.	24.	20.

% ANTIMONY 564.0 KEV 0.1163

1301:	13.	14.	13.	20.	16.	17.	18.	8.	11.
1310:	20.	18.	13.	16.	20.	22.	17.	15.	11.
1319:	17.	9.	12.	11.	19.	11.	8.	16.	17.

% ARSENIC 657.4 KEV <0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	251.	1345.	0.0025	0.0001	3.2
%-ANTIMONY	564.1	170.	24002.	0.1163	0.0008	0.7
%-ARSENIC	657.4	73.	15.	< 8.0281E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:40:24 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: U1039H-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12981.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1901:22 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	47.	48.	34.	39.	46.	32.	41.	47.	70.
1018:	91.	97.	135.	182.	275.	309.	294.	225.	142.
1027:	83.	61.	46.	39.	45.	31.	35.	38.	47.

% COPPER 511.1 + 0.0 KEV 0.0023

1117:	73.	105.	157.	155.	97.	125.	111.	147.	222.
1126:	413.	1483.	4709.	8194.	6524.	2596.	445.	56.	20.
1135:	20.	18.	16.	20.	16.	16.	26.	19.	19.

% ANTIMONY 564.1 + 0.5 KEV 0.1140

1301:	16.	15.	17.	11.	9.	18.	17.	11.	28.
1310:	23.	18.	23.	14.	26.	18.	22.	19.	17.
1319:	9.	19.	11.	10.	13.	14.	9.	19.	13.

% ARSENIC 657.4 + 0.0 KEV < 0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	297.	1265.	0.0023	0.0001	3.4
%-ANTIMONY	564.1	179.	24185.	0.1140	0.0008	0.7
%-ARSENIC	657.4	68.	36.	< 7.5749E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:41:20 AM XXXXXXXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039H-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13016.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1911:41 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	42.	37.	36.	33.	40.	46.	54.	57.	57.
1018:	56.	89.	128.	185.	259.	293.	263.	168.	131.
1027:	75.	81.	47.	40.	23.	45.	36.	33.	36.

% COPPER 511.1 ± 0.0 KEV 0.0021

1117:	61.	103.	136.	157.	113.	106.	115.	140.	177.
1126:	365.	1455.	4493.	7495.	6188.	2392.	423.	60.	18.
1135:	25.	18.	15.	16.	21.	17.	19.	25.	21.

% ANTIMONY 564.1 ± 0.9 KEV 0.1066

1301:	11.	13.	16.	19.	18.	8.	19.	18.	18.
1310:	14.	13.	10.	12.	14.	21.	16.	15.	14.
1319:	15.	16.	13.	8.	25.	13.	11.	11.	18.

% ARSENIC 657.4 ± 0.0 KEV < 0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	261.	1166.	0.0021	0.0001	3.5
%-ANTIMONY	564.1	176.	22635.	0.1066	0.0007	0.7
%-ARSENIC	657.4	71.	9.	< 7.7702E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:42:15 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039.C-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12776.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1922:00 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	37.	39.	40.	32.	40.	30.	38.	38.	55.
1018:	64.	90.	132.	190.	273.	293.	249.	219.	121.
1027:	91.	57.	55.	33.	30.	24.	37.	45.	33.

% COPPER 511.0 KEV 0.0023

1117:	63.	117.	163.	146.	103.	106.	114.	134.	197.
1126:	412.	1555.	4670.	7972.	6524.	2489.	473.	57.	20.
1135:	19.	17.	13.	18.	14.	15.	17.	9.	17.

% ANTIMONY 564.0 KEV 0.1150

1301:	13.	12.	8.	12.	11.	10.	6.	13.	14.
1310:	13.	9.	18.	23.	11.	20.	27.	12.	14.
1319:	9.	13.	9.	14.	11.	13.	10.	14.	7.

% ARSENIC 657.40 KEV 0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	240.	1237.	0.0023	0.0001	3.4
%-ANTIMONY	564.1	179.	23916.	0.1150	0.0008	0.7
%-ARSENIC	657.4	58.	42.	7.8778E-04	2.3757E-04	30.2

XX
 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:43:10 AM XXXXXXXXXXXXXXXXXXXXXXX
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0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039I-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13563.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 23JUN80 1932:18 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	41.	58.	44.	48.	37.	34.	42.	46.	57.
1018:	56.	81.	133.	193.	254.	312.	284.	221.	124.
1027:	84.	70.	32.	36.	43.	36.	26.	39.	31.

% COPPER 511.0 KEV 0.0023

1117:	55.	91.	155.	146.	100.	102.	126.	157.	200.
1126:	427.	1556.	5098.	8611.	7183.	2705.	508.	48.	21.
1135:	12.	15.	27.	19.	12.	15.	15.	8.	17.

% ANTIMONY 564.1 KEV 0.1177

1301:	10.	17.	10.	11.	19.	7.	12.	7.	9.
1310:	9.	8.	6.	11.	12.	25.	21.	12.	13.
1319:	8.	14.	13.	8.	9.	7.	10.	9.	15.

% ARSENIC 657.4 KEV < 0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	253.	1268.	0.0023	0.0001	3.3
%-ANTIMONY	564.1	136.	25952.	0.1177	0.0008	0.6
%-ARSENIC	657.4	54.	30.	< 6.5961E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:44:06 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039I-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13404.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 23JUN80 1942:37 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	29.	38.	28.	46.	29.	35.	35.	43.	50.
1018:	65.	79.	119.	193.	247.	297.	237.	200.	138.
1027:	78.	81.	41.	34.	36.	27.	38.	29.	34.

% COPPER 511.0 KEV 0.0022

1117:	53.	117.	159.	160.	111.	97.	110.	128.	170.
1126:	405.	1516.	4523.	8053.	6646.	2611.	449.	47.	16.
1135:	19.	16.	12.	13.	14.	8.	5.	18.	12.

% ANTIMONY 564.1 KEV 0.1106

1301:	15.	7.	10.	13.	11.	5.	12.	5.	5.
1310:	7.	11.	14.	11.	16.	20.	13.	10.	10.
1319:	10.	15.	13.	12.	7.	9.	11.	13.	9.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	218.	1213.	0.0022	0.0001	3.4
%-ANTIMONY	564.1	148.	24055.	0.1106	0.0007	0.7
%-ARSENIC	657.4	49.	25.	< 6.4377E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:45:01 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039J-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15109.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 23JUN80 1952:56 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	44.	42.	35.	45.	34.	43.	41.	53.	54.
1018:	86.	84.	155.	215.	295.	293.	280.	208.	125.
1027:	82.	60.	41.	27.	38.	43.	33.	29.	34.

% COPPER 511.0 KEV 0.0021

1117:	78.	112.	149.	180.	106.	97.	112.	148.	212.
1126:	473.	1624.	5334.	9117.	7470.	2999.	567.	75.	22.
1135:	12.	13.	14.	16.	15.	15.	12.	17.	8.

% ANTIMONY 564.0 KEV 0.1121

1301:	13.	12.	7.	6.	13.	9.	9.	8.	12.
1310:	9.	13.	7.	13.	19.	17.	14.	14.	14.
1319:	13.	8.	9.	8.	15.	10.	7.	15.	11.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	270.	1301.	0.0021	0.0001	3.3
%-ANTIMONY	564.1	149.	27435.	0.1121	0.0007	0.6
%-ARSENIC	657.4	51.	27.	< 5.8442E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:45:57 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039J-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 16141.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.YAB1

XX

ACQUISITION DATE: 23JUN80 2003:14 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	39.	36.	31.	47.	47.	53.	47.	50.	57.
1018:	90.	89.	168.	255.	300.	346.	332.	251.	187.
1027:	88.	62.	61.	70.	33.	34.	51.	37.	41.

% COPPER 511.1 ± 0.0 KEV 0.0024

1117:	91.	140.	195.	169.	141.	104.	124.	166.	259.
1126:	495.	1943.	5969.	10137.	8541.	3311.	638.	64.	14.
1135:	21.	15.	16.	19.	20.	19.	16.	13.	10.

% ANTIMONY 564.1 ± 0.9 KEV 0.1183

1301:	12.	12.	13.	9.	11.	18.	11.	17.	13.
1310:	6.	10.	9.	14.	14.	17.	17.	12.	17.
1319:	7.	8.	15.	14.	14.	8.	14.	6.	15.

% ARSENIC 657.4 ± 0.4 KEV < 0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	303.	1534.	0.0024	0.0001	3.0
%-ANTIMONY	564.1	175.	30859.	0.1183	0.0007	0.6
%-ARSENIC	657.4	60.	18.	< 5.9024E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:46:52 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039J-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13953.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 24JUN80 800:24 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	37.	33.	40.	28.	40.	34.	40.	21.	39.
1018:	37.	47.	82.	108.	155.	162.	128.	107.	93.
1027:	62.	33.	29.	25.	17.	21.	31.	26.	26.

% COPPER 511.0 KEV 0.0021

1117:	59.	91.	124.	132.	111.	99.	92.	132.	185.
1126:	372.	1366.	4341.	7407.	6328.	2596.	471.	57.	21.
1135:	7.	9.	13.	10.	9.	8.	8.	8.	10.

% ANTIMONY 564.0 KEV 0.1145

1301:	8.	10.	9.	9.	7.	3.	3.	9.	5.
1310:	10.	4.	8.	11.	7.	16.	8.	12.	7.
1319:	3.	5.	8.	6.	9.	10.	6.	8.	6.

% ARSENIC 657.40 KEV <0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	215.	620.	0.0021	0.0001	5.2.
%-ANTIMONY	564.1	134.	22747.	0.1145	0.0008	0.7
%-ARSENIC	657.4	39.	16.	< 7.6542E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:47:47 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039K-1
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13063.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TABL

XX

ACQUISITION DATE: 24JUN80 810:40 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	18.	12.	17.	12.	11.	18.	9.	13.	24.
1018:	26.	41.	59.	96.	115.	141.	140.	101.	55.
1027:	34.	15.	9.	10.	14.	11.	6.	10.	12.

% COPPER 511.1 ± 0.0 KEV 0.0023

1117:	16.	20.	16.	26.	29.	27.	32.	32.	46.
1126:	101.	383.	1126.	1989.	1666.	685.	132.	16.	6.
1135:	5.	7.	7.	3.	7.	3.	4.	5.	4.

% ANTIMONY 564.1 ± 0.9 KEV 0.0324

1301:	2.	5.	8.	6.	4.	3.	4.	9.	5.
1310:	2.	6.	6.	5.	2.	8.	5.	8.	6.
1319:	7.	8.	3.	5.	6.	2.	3.	4.	8.

% ARSENIC 657.4 ± 4.0 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	68.	639.	0.0023	0.0001	4.4
%-ANTIMONY	564.1	60.	6023.	0.0324	0.0004	1.3
%-ARSENIC	657.4	23.	-2.	< 6.5078E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:48:43 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1029K-2
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12732.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 24JUN80 820:54 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	10.	17.	13.	9.	12.	17.	9.	20.	17.
1018:	27.	52.	53.	73.	142.	145.	140.	90.	68.
1027:	49.	27.	16.	15.	17.	10.	14.	11.	9.

% COPPER 511.0 KEV 0.0024

1117:	21.	24.	20.	20.	19.	19.	23.	43.	48.
1126:	97.	338.	1110.	1948.	1733.	681.	134.	22.	6.
1135:	12.	14.	8.	6.	6.	6.	4.	7.	6.

% ANTIMONY 564.0 KEV 0.0331

1301:	8.	7.	6.	8.	6.	5.	5.	8.	3.
1310:	4.	11.	5.	12.	8.	7.	11.	6.	8.
1319:	8.	5.	7.	9.	6.	3.	8.	4.	13.

% ARSENIC 657.40 KEV <0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	87.	624.	0.0024	0.0001	4.5
%-ANTIMONY	564.1	60.	5981.	0.0331	0.0004	1.3
%-ARSENIC	657.4	31.	9.	< 7.6697E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 24 JUN 1980 9:49:38 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

0061007 RF GREENKILL

SAMPLE DATE: 23JUN80 1027:00
 SAMPLE IDENTIFICATION: Q1039K-3
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13098.00 UNITS: UG
 SAMPLE GEOMETRY: RT4 5MIN
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 24JUN80 831:09 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

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DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 23JUN80 1058:29 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

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1009:	16.	13.	14.	15.	7.	26.	20.	11.	14.
1018:	20.	30.	43.	79.	133.	118.	139.	86.	56.
1027:	41.	22.	14.	14.	10.	11.	13.	13.	16.

% COPPER 511.0 + 0.0 KEV 0.0021

1117:	14.	14.	16.	14.	26.	24.	22.	36.	48.
1126:	98.	352.	1038.	1754.	1560.	620.	105.	10.	5.
1135:	6.	8.	5.	3.	9.	10.	8.	11.	12.

% ANTIMONY 564.4 + 0.0 KEV 0.0295

1301:	4.	7.	8.	10.	4.	2.	6.	2.	6.
1310:	5.	7.	6.	8.	6.	9.	8.	7.	11.
1319:	7.	5.	7.	4.	7.	8.	6.	7.	4.

% ARSENIC 657.4 + 0.0 KEV < 0.0008

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	86.	568.	0.0021	0.0001	4.8
%-ANTIMONY	564.1	50.	5477.	0.0295	0.0004	1.4
%-ARSENIC	657.4	32.	9.	< 7.5434E-04	NOT DETECTABLE	

25

Green Mill III

7/16/80
1st & only
irradiation.

00707020 RF GREENKILL

SAMPLE	SAM.WT.	%-COPPER	%-ANTIMONY	%-ARSENIC
S626A	12443.000	0.07437	0.69878	0.00303
S626B	15201.000	0.08228	0.74490	0.00356
S626C	12936.000	0.07694	0.71287	0.00238
		0.07786 AVG	0.71885 AVG	0.00299 AVG
		0.004036 SD	0.023634 SD	0.000590 SD
		5.183525 %RSD	3.287696 %RSD	19.747129 %RSD
S604A	11947.000	0.00676	1.78234	0.09902
S604B	12387.000	0.00699	1.89413	0.10245
S604C	11714.000	0.00740	1.82474	0.09858
		0.00705 AVG	1.83374 AVG	0.10002 AVG
		0.000323 SD	0.056438 SD	0.002117 SD
		4.584854 %RSD	3.077742 %RSD	2.116674 %RSD
Q451D-A	11738.000	0.00094	0.00597	< 0.00054
Q451D-B	11885.000	0.00105	0.00583	< 0.00056
Q451D-C	11565.000	0.00099	0.00556	< 0.00058
		0.00099 AVG	0.00578 AVG	0.00000 AVG
		0.000056 SD	0.000207 SD	0.000000 SD
		5.642075 %RSD	3.572987 %RSD	0.000000 %RSD
Q451E-A	11942.000	0.00206	0.01705	< 0.00054
Q451E-B	12235.000	0.00236	0.01788	< 0.00051
Q451E-C	11973.000	0.00179	0.01651	< 0.00063
		0.00207 AVG	0.01715 AVG	0.00000 AVG
		0.000287 SD	0.000690 SD	0.000000 SD
		13.862966 %RSD	4.023233 %RSD	0.000000 %RSD
Q451F-A	12103.000	0.00110	0.00591	< 0.00049
Q451F-B	12020.000	0.00098	0.00598	< 0.00052
Q451F-C	11847.000	0.00105	0.00568	< 0.00059
		0.00104 AVG	0.00586 AVG	0.00000 AVG
		0.000063 SD	0.000155 SD	0.000000 SD
		6.038078 %RSD	2.650678 %RSD	0.000000 %RSD
Q451G-A	11873.000	0.00117	0.00574	< 0.00052
Q451G-B	12226.000	0.00094	0.00566	< 0.00055
Q451G-C	11009.000	0.00100	0.00575	< 0.00061
		0.00104 AVG	0.00572 AVG	0.00000 AVG
		0.000120 SD	0.000051 SD	0.000000 SD
		11.550650 %RSD	0.897736 %RSD	0.000000 %RSD
Q451H-A	11697.000	0.00309	0.02855	< 0.00057
Q451H-B	11715.000	0.00294	0.02941	< 0.00052
Q451H-C	11825.000	0.00281	0.02808	< 0.00059

3990

0.00295 AVG	0.02868 AVG	0.00000 AVG
0.000140 SD	0.000075 SD	0.000000 SD
4.747382 %RSD	2.351264 %RSD	0.000000 %RSD

Q451I-A 11898.000
 Q451I-B 12308.000
 Q451I-C 10436.000

{ 0.00094	{ 0.00561	{ 0.00120
{ 0.00125	{ 0.00517	{ 0.00058
{ 0.00134	{ 0.00500	{ 0.00065

0.00118 AVG	0.00526 AVG	0.00120 AVG
0.000210 SD	0.000315 SD	0.000000 SD
17.779167 %RSD	5.996264 %RSD	0.000000 %RSD

Q451J-A 12178.000
 Q451J-B 12105.000
 Q451J-C 12143.000

{ 0.00246	{ 0.02847	{ 0.00056
{ 0.00262	{ 0.02960	{ 0.00069
{ 0.00254	{ 0.02777	{ 0.00062

0.00254 AVG	0.02862 AVG	0.00000 AVG
0.000082 SD	0.000923 SD	0.000000 SD
3.231736 %RSD	3.226342 %RSD	0.000000 %RSD

Q451K-A 12417.000
 Q451K-B 12470.000
 Q451K-C 12077.000

{ 0.00108	{ 0.00607	{ 0.00051
{ 0.00076	{ 0.00655	{ 0.00052
{ 0.00085	{ 0.00641	{ 0.00053

0.00090 AVG	0.00634 AVG	0.00000 AVG
0.000162 SD	0.000245 SD	0.000000 SD
18.022800 %RSD	3.858379 %RSD	0.000000 %RSD

Q451L-A 10325.000
 Q451L-B 11871.000
 Q451L-C 11974.000

{ 0.00098	{ 0.00624	{ 0.00057
{ 0.00098	{ 0.00628	{ 0.00055
{ 0.00104	{ 0.00596	{ 0.00051

0.00100 AVG	0.00616 AVG	0.00000 AVG
0.000035 SD	0.000173 SD	0.000000 SD
3.523799 %RSD	2.799535 %RSD	0.000000 %RSD

Q456D-A 12108.000
 Q456D-B 11668.000
 Q456D-C 12117.000

{ 0.02948	{ 0.00118	{ 0.00059
{ 0.02994	{ 0.00148	{ 0.00051
{ 0.02932	{ 0.00140	{ 0.00050

0.02958 AVG	0.00135 AVG	0.00000 AVG
0.000324 SD	0.000157 SD	0.000000 SD
1.096621 %RSD	11.606707 %RSD	0.000000 %RSD

Q456E-A 12294.000
 Q456E-B 12154.000
 Q456E-C 12174.000

{ 0.03037	{ 0.00134	{ 0.00049
{ 0.03266	{ 0.00153	{ 0.00054
{ 0.03058	{ 0.00149	{ 0.00056

0.03120 AVG	0.00145 AVG	0.00000 AVG
0.001267 SD	0.000103 SD	0.000000 SD
4.059233 %RSD	7.104677 %RSD	0.000000 %RSD

Q456F-A 13084.000
 Q456F-B 12918.000
 Q456F-C 12215.000

{ 0.03149	{ 0.00146	{ 0.00050
{ 0.03219	{ 0.00141	{ 0.00059
{ 0.03164	{ 0.00173	{ 0.00060

0.03177 AVG	0.00153 AVG	0.00000 AVG
0.000366 SD	0.000171 SD	0.000000 SD

(TI)TITLE: 00707020 RF GREENKILL
 (LN)LIBRARY:
 (SA)SAMPLE TIME: 15JUL80 1209:00
 (SE)STD ENERGY TOLERANCE: 2.00
 (UE)UNK ENERGY TOLERANCE: 2.00
 (TF)THERMAL FLUX: 0.0000E-01
 (EF)EPITHERMAL FLUX: 0.0000E-01
 (FF)FAST FLUX: 0.0000E-01
 (QU)UNITS: UG

	ELEMENT	ENERGY	HALF-LIFE	SEC
1	%-COPPER	511.00	1.2800E 01 H	4.6080E 04
2	%-ANTIMONY	564.09	2.7200E 00 D	2.3501E 05
3	%-ARSENIC	657.41	2.6300E 01 H	9.4680E 04

STANDARD SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	SZ62A	12443.00	FBI1 .A01	100.0	100000.0
2	S626B	15201.00	FBI1 .A02	100.0	100000.0
3	S626C	12936.00	FBI1 .A03	100.0	100000.0
4	S604A	11947.00	FBI1 .A04	100.0	100000.0
5	S604B	12367.00	FBI1 .A05	100.0	100000.0
6	S604C	11714.00	FBI1 .A06	100.0	100000.0

STD: 1 SZ62A FILE= FBI1 .A01

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 2 S626B FILE= FBI1 .A02

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 3 S626C FILE= FBI1 .A03

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	7.8000E-02	0.0000E-01
2	%-ANTIMONY	564.09	7.2000E-01	0.0000E-01
3	%-ARSENIC	657.41	0.0000E-01	0.0000E-01

STD: 4 S604A FILE= FBI1 .A04

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01

3 %-ARSENIC 657.41 1.0000E-01 0.0000E-01

STD: 5 S604B FILE= FBI1 .A05

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

STD: 6 S604C FILE= FBI1 .A06

	ELEMENT	ENERGY	CONC	ERROR
1	%-COPPER	511.00	0.0000E-01	0.0000E-01
2	%-ANTIMONY	564.09	0.0000E-01	0.0000E-01
3	%-ARSENIC	657.41	1.0000E-01	0.0000E-01

UNKNOWN SAMPLES

	NAME	MASS	FILE	POWER	ACT TIME
1	S626A	12443.00	FBI1 .A01	100.0	100000.0
2	S626B	15201.00	FBI1 .A02	100.0	100000.0
3	S626C	12936.00	FBI1 .A03	100.0	100000.0
4	S604A	11947.00	FBI1 .A04	100.0	100000.0
5	S604B	12387.00	FBI1 .A05	100.0	100000.0
6	S604C	11714.00	FBI1 .A06	100.0	100000.0
7	Q451D-A	11738.00	FBI1 .A07	100.0	100000.0
8	Q451D-B	11885.00	FBI1 .A08	100.0	100000.0
9	Q451D-C	11565.00	FBI1 .A09	100.0	100000.0
10	Q451E-A	11942.00	FBI1 .A10	100.0	100000.0
11	Q451E-B	12235.00	FBI1 .A11	100.0	100000.0
12	Q451E-C	11973.00	FBI1 .A12	100.0	100000.0
13	Q451F-A	12103.00	FBI1 .A13	100.0	100000.0
14	Q451F-B	12020.00	FBI1 .A14	100.0	100000.0
15	Q451F-C	11847.00	FBI1 .A15	100.0	100000.0
16	Q451G-A	11873.00	FBI1 .A16	100.0	100000.0
17	Q451G-B	12226.00	FBI1 .A17	100.0	100000.0
18	Q451G-C	11009.00	FBI1 .A18	100.0	100000.0
19	Q451H-A	11697.00	FBI1 .A19	100.0	100000.0
20	Q451H-B	11715.00	FBI1 .A20	100.0	100000.0
21	Q451H-C	11825.00	FBI1 .A21	100.0	100000.0
22	Q451I-A	11898.00	FBI1 .A22	100.0	100000.0
23	Q451I-B	12308.00	FBI1 .A23	100.0	100000.0
24	Q451I-C	10436.00	FBI1 .A24	100.0	100000.0
25	Q451J-A	12178.00	FBI1 .A25	100.0	100000.0
26	Q451J-B	12105.00	FBI1 .A26	100.0	100000.0
27	Q451J-C	12143.00	FBI1 .A27	100.0	100000.0
28	Q451K-A	12417.00	FBI1 .A28	100.0	100000.0
29	Q451K-B	12470.00	FBI1 .A29	100.0	100000.0
30	Q451K-C	12077.00	FBI1 .A30	100.0	100000.0
31	Q451L-A	10325.00	FBI1 .A31	100.0	100000.0
32	Q451L-B	11871.00	FBI1 .A32	100.0	100000.0
33	Q451L-C	11974.00	FBI1 .A33	100.0	100000.0
34	Q456D-A	12108.00	FBI1 .A34	100.0	100000.0
35	Q456D-B	11668.00	FBI1 .A35	100.0	100000.0
36	Q456D-C	12117.00	FBI1 .A36	100.0	100000.0
37	Q456E-A	12294.00	FBI1 .A37	100.0	100000.0
38	Q456E-B	12154.00	FBI1 .A38	100.0	100000.0
39	Q456E-C	12174.00	FBI1 .A39	100.0	100000.0
40	Q456F-A	13084.00	FBI1 .A40	100.0	100000.0
41	Q456F-B	12918.00	FBI1 .A41	100.0	100000.0
42	Q456F-C	12215.00	FBI1 .A42	100.0	100000.0
43	Q456G-A	11505.00	FBI1 .A43	100.0	100000.0
44	Q456G-B	11871.00	FBI1 .A44	100.0	100000.0

4053

1.152578 %RSD

11.180389 %RSD

0.000000 %RSD

Q456G-A 11505.000
 Q456G-B 11871.000
 Q456G-C 12007.000

0.02894
 0.03134
 0.02959

0.00112
 0.00145
 0.00131

< 0.00064
 < 0.00067
 < 0.00058

0.02995 AVG
 0.001245 SD
 4.156737 %RSD

0.00137 AVG
 0.000071 SD
 5.161371 %RSD

0.00000 AVG
 0.000000 SD
 0.000000 %RSD

Q456H-A 11731.000
 Q456H-B 11091.000
 Q456H-C 12425.000

0.03848
 0.03880
 0.03813

0.05151
 0.05222
 0.05054

< 0.00063
 < 0.00068
 < 0.00062

0.03847 AVG
 0.000335 SD
 0.871218 %RSD

0.05142 AVG
 0.000844 SD
 1.641144 %RSD

0.00000 AVG
 0.000000 SD
 0.000000 %RSD

Q456I-A 12261.000
 Q456I-B 12220.000
 Q456I-C 12892.000

0.03785
 0.03927
 0.03602

0.05038
 0.05233
 0.04721

< 0.00053
 < 0.00061
 < 0.00056

0.03772 AVG
 0.001629 SD
 4.319335 %RSD

0.04997 AVG
 0.002583 SD
 5.167898 %RSD

0.00000 AVG
 0.000000 SD
 0.000000 %RSD

45	Q456G-C	12007.00	FBI1	.A45	100.0	100000.0
46	Q456H-A	11731.00	FBI1	.A46	100.0	100000.0
47	Q456H-B	11731.00	FBI1	.A47	100.0	100000.0
48	Q456H-C	12125.00	FBI1	.A48	100.0	100000.0
49	Q456I-A	12261.00	FBI1	.A49	100.0	100000.0
50	Q456I-B	12220.00	FBI1	.A50	100.0	100000.0
51	Q456I-C	12892.00	FBI1	.A51	100.0	100000.0
52	Q1A	6224.00	FBI1	.A52	100.0	100000.0
53	Q1B	7181.00	FBI1	.A53	100.0	100000.0
54	Q1C	8858.00	FBI1	.A54	100.0	100000.0
55	Q2A	5448.00	FBI1	.A55	100.0	100000.0
56	Q2B	7735.00	FBI1	.A56	100.0	100000.0
57	Q2C	12881.00	FBI1	.A57	100.0	100000.0
58	Q3A	6662.00	FBI1	.A58	100.0	100000.0
59	Q3B	11295.00	FBI1	.A59	100.0	100000.0
60	Q3C	15539.00	FBI1	.A60	100.0	100000.0
61	S626A	10832.00	FBI1	.A61	100.0	100000.0
62	S626B	11549.00	FBI1	.A62	100.0	100000.0
63	S626C	11656.00	FBI1	.A63	100.0	100000.0
64	S604A	11271.00	FBI1	.A64	100.0	100000.0
65	S604B	12068.00	FBI1	.A65	100.0	100000.0
66	S604C	12711.00	FBI1	.A66	100.0	100000.0

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:11:09 AM XXXXXXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
SAMPLE IDENTIFICATION: S262A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 12443.00 UNITS: UG
SAMPLE GEOMETRY: 5MIN. RT4
EFFICIENCY FILE NAME: EFF.TAB1

XX
*
ACQUISITION DATE: 15JUL80 1449:55 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 629. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

XX
*
DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	67648.	7.8000E-02	0.0000E-01	1.3496E-01	5.3352E-04
%-ANTIMONY	564.1	191076.	7.2000E-01	0.0000E-01	3.6607E-02	8.4245E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

XX
XX
XX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
SAMPLE IDENTIFICATION: S626B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 15201.00 UNITS: UG
SAMPLE GEOMETRY: 5MIN, RT4
EFFICIENCY FILE NAME: EFF.TAB1

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ACQUISITION DATE: 15JUL80 1500:39 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 639. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	90548.	7.8000E-02	0.0000E-01	1.4932E-01	5.1028E-04
%-ANTIMONY	564.1	248359.	7.2000E-01	0.0000E-01	3.9023E-02	7.8803E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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XXXXXXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:12:35 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
SAMPLE IDENTIFICATION: S626C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 12936.00 UNITS: UG
SAMPLE GEOMETRY: 5MIN. R14
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1511:30 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 631. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	71361.	7.8000E-02	0.0000E-01	1.3963E-01	5.3766E-04
%-ANTIMONY	564.1	201880.	7.2000E-01	0.0000E-01	3.7345E-02	8.3617E-05
%-ARSENIC	657.4	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01

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XXXXXXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:13:17 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
SAMPLE IDENTIFICATION: S604A
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 11947.00 UNITS: UG
SAMPLE GEOMETRY: 5MIN. RT4
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1522:13 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 667. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	6594.	1.0000E-01	0.0000E-01	1.0037E-02	1.4160E-04

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XXXXXXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:13:59 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
SAMPLE IDENTIFICATION: S604B
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 12387.00 UNITS: UG
SAMPLE GEOMETRY: 5MIN. RT4
EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1533:36 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 674. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR	CONSTANT	ERROR
				(1 SIGMA)		(1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	7038.	1.0000E-01	0.0000E-01	1.0385E-02	1.4440E-04

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XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:14:42 AM XXXXXXXXXXXXXXXXXXXX
XX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
SAMPLE IDENTIFICATION: S604C
TYPE OF SAMPLE: STANDARD
SAMPLE QUANTITY: 11714.00 UNITS: UG
SAMPLE GEOMETRY: 5MIN. RT4
EFFICIENCY FILE NAME: EFF.TAB1

XX
*
ACQUISITION DATE: 15JUL80 1545:03 * FWHM(1332) 2.004
PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
ELAPSED REAL TIME: 667. SEC * SHAPE PARAMETER : 15.0 %
ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
*

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*
DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
*

STANDARD REPORT:

ELEMENT	ENERGY	AREA	CONCENTR.	ERROR (1 SIGMA)	CONSTANT	ERROR (1 SIGMA)
%-COPPER	511.0	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ANTIMONY	564.1	0.	0.0000E-01	0.0000E-01	0.0000E-01	0.0000E-01
%-ARSENIC	657.4	6372.	1.0000E-01	0.0000E-01	9.9928E-03	1.4371E-04

SUMMARY OF STANDARD CONSTANTS:

1. ELEMENT Z-COPPER AT 511.00 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S262A	7.8000E-02	1.3496E-01	5.3352E-04
S626B	7.8000E-02	1.4932E-01	5.1028E-04
S626C	7.8000E-02	1.3963E-01	5.3766E-04
MEAN CONSTANT, 3 STDS:		1.4155E-01	3.0411E-04

2. ELEMENT Z-ANTIMONY AT 564.09 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S262A	7.2000E-01	3.6607E-02	8.4245E-05
S626B	7.2000E-01	3.9023E-02	7.8803E-05
S626C	7.2000E-01	3.7345E-02	8.3617E-05
MEAN CONSTANT, 3 STDS:		3.7719E-02	4.7407E-05

3. ELEMENT Z-ARSENIC AT 657.41 KEV

STANDARD NAME	CONCENTR.	CONSTANT	ERROR (1 SIGMA)
S604A	1.0000E-01	1.0037E-02	1.4160E-04
S604B	1.0000E-01	1.0385E-02	1.4440E-04
S604C	1.0000E-01	9.9928E-03	1.4371E-04
MEAN CONSTANT, 3 STDS:		1.0136E-02	8.2691E-05

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 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:16:31 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: S626B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 15201.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1500:39 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 639. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	480.	483.	549.	585.	612.	704.	852.	1121.	1636.
1018:	2611.	4549.	7856.	13091.	17244.	18746.	16965.	12057.	7192.
1027:	3681.	1978.	1213.	798.	563.	437.	386.	413.	337.

% COPPER 511.1 + 0.0 KEV 0.0823

1117:	710.	1091.	1496.	1368.	1064.	1030.	1115.	1488.	2142.
1126:	5086.	19215.	53550.	81979.	62658.	23026.	4434.	788.	351.
1135:	310.	233.	235.	231.	178.	178.	174.	174.	184.

% ANTIMONY 564.1 + 0.5 KEV 0.7449

1301:	89.	87.	97.	89.	94.	83.	83.	88.	82.
1310:	74.	73.	87.	122.	153.	187.	156.	110.	92.
1319:	86.	82.	87.	66.	71.	85.	81.	94.	79.

% ARSENIC 657.4 + 4.0 KEV 0.0036

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	2603.	90548.	0.0823	0.0003	0.4
%-ANTIMONY	564.1	1589.	248359.	0.7449	0.0018	0.2
%-ARSENIC	657.4	424.	305.	0.0036	0.0004	11.2

4043

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 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:17:26 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: S626C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12936.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN, RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 1511:30 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 631. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009: 385. 367. 371. 410. 450. 538. 624. 929. 1326.
 1018: 1941. 3450. 6006. 9940. 13578. 14816. 13264. 9970. 5857.
 1027: 2950. 1618. 947. 604. 435. 302. 257. 292. 250.

% COPPER 511.0 KEV 0.0769

1117: 566. 815. 1182. 1107. 833. 801. 957. 1123. 1718.
 1126: 3934. 14534. 41955. 66707. 52314. 19805. 3850. 571. 248.
 1135: 218. 191. 169. 165. 146. 136. 121. 131. 122.

% ANTIMONY 564.0 KEV 0.7129

1301: 64. 64. 75. 62. 77. 61. 63. 60. 48.
 1310: 50. 67. 88. 75. 101. 130. 118. 93. 66.
 1319: 54. 63. 64. 75. 78. 57. 69. 71. 53.

% ARSENIC 657.4 KEV 0.0024

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	2070.	71361.	0.0769	0.0003	0.4
%-ANTIMONY	564.1	1219.	201880.	0.7129	0.0018	0.3
%-ARSENIC	657.4	345.	173.	0.0024	0.0004	17.0

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 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:18:22 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: S604A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11947.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1522:13 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 667. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	722.	709.	693.	731.	754.	645.	743.	743.	752.
1018:	796.	925.	1202.	1473.	1744.	1853.	1697.	1407.	1033.
1027:	813.	691.	688.	673.	634.	609.	664.	591.	618.

% COPPER 511.0 00 KEV 0.0068

1117:	6295.	15509.	22443.	16980.	7567.	3007.	2581.	2957.	4467.
1126:	11624.	41712.	107653.	151883.	108948.	38928.	8140.	1996.	1061.
1135:	830.	721.	663.	596.	520.	498.	511.	510.	539.

% ANTIMONY 564.00 KEV 1.7823

1301:	223.	218.	220.	204.	199.	255.	221.	226.	223.
1310:	243.	292.	417.	965.	1929.	2317.	1664.	748.	322.
1319:	238.	212.	207.	197.	182.	187.	190.	207.	196.

% ARSENIC 657.40 KEV 0.0990

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	4675.	5734.	0.0068	0.0001	2.2
%-ANTIMONY	564.1	3640.	465248.	1.7823	0.0035	0.2
%-ARSENIC	657.4	1030.	6594.	0.0990	0.0016	1.6

4043

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 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:19:17 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: S604B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12387.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1533:36 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 674. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	745.	822.	735.	779.	770.	741.	814.	822.	830.
1018:	856.	1090.	1281.	1626.	1919.	1995.	1758.	1554.	1162.
1027:	943.	784.	776.	757.	728.	777.	720.	693.	688.

% COPPER 511.0 KEV 0.0070

1117:	7167.	17195.	23856.	17698.	7590.	3355.	2845.	3456.	5292.
1126:	13851.	48962.	121647.	166882.	115408.	40472.	8463.	2296.	1292.
1135:	992.	879.	780.	764.	686.	553.	629.	561.	624.

% ANTIMONY 564.0 KEV 1.8941

1301:	283.	261.	282.	276.	253.	271.	267.	250.	258.
1310:	278.	332.	455.	1100.	2131.	2624.	1652.	800.	338.
1319:	247.	271.	231.	246.	252.	260.	225.	213.	231.

% ARSENIC 657.4 KEV 0.1024

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	5208.	6087.	0.0070	0.0001	2.1
%-ANTIMONY	564.1	4082.	511603.	1.8941	0.0036	0.2
%-ARSENIC	657.4	1270.	7038.	0.1024	0.0017	1.6

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:20:13 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: S604C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11714.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.FAB1

XX
 *
 ACQUISITION DATE: 15JUL80 1545:03 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 667. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009: 715. 713. 752. 735. 706. 731. 730. 709. 763.
 1018: 801. 981. 1216. 1509. 1861. 1988. 1700. 1398. 1096.
 1027: 819. 747. 727. 728. 656. 584. 651. 610. 622.

% COPPER 511.000 KEV 0.0074

1117: 6356. 15416. 21965. 16445. 6935. 3024. 2428. 3038. 4546.
 1126:12145. 43081.109125.152203.106698. 37635. 7769. 1959. 1099.
 1135: 865. 734. 665. 631. 529. 457. 480. 467. 543.

% ANTIMONY 564.00 KEV 1.8247

1301: 228. 203. 240. 215. 206. 210. 230. 217. 227.
 1310: 244. 297. 444. 980. 1854. 2240. 1597. 714. 301.
 1319: 209. 178. 207. 201. 174. 190. 187. 200. 194.

% ARSENIC 657.40 KEV 0.0986

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	4740.	6028.	0.0074	0.0002	2.1
%-ANTIMONY	564.1	3513.	465143.	1.8247	0.0035	0.2
%-ARSENIC	657.4	1013.	6372.	0.0986	0.0016	1.7

4044

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:21:08 AM . XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451D-A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11738.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1
 XXXXXXXXXXXXXXXXXXXX

ACQUISITION DATE: 15JUL80 1556:26 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	12.	6.	19.	14.	12.	6.	13.	24.	20.
1018:	33.	39.	64.	107.	150.	155.	166.	109.	86.
1027:	42.	21.	23.	15.	10.	10.	10.	15.	13.

% COPPER 511.0 KEV 0.0005

1117:	13.	15.	16.	15.	9.	7.	16.	21.	20.
1126:	35.	119.	283.	500.	442.	175.	34.	14.	6.
1135:	10.	8.	17.	13.	11.	7.	8.	12.	10.

% ANTIMONY 564.0 KEV 0.0050

1301:	9.	11.	10.	8.	11.	8.	13.	13.	10.
1310:	8.	5.	9.	12.	11.	15.	11.	12.	6.
1319:	11.	15.	9.	13.	9.	4.	10.	13.	8.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	78.	759.	9.3849E-04	3.7485E-05	4.0
%-ANTIMONY	564.1	67.	1521.	0.0060	0.0002	2.7
%-ARSENIC	657.4	49.	12.	< 5.4441E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:22:03 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451D-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11885.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1606:41 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	15.	14.	12.	17.	11.	20.	13.	18.	19.
1018:	27.	54.	69.	121.	156.	193.	194.	118.	93.
1027:	35.	33.	16.	19.	18.	15.	14.	8.	17.

% COPPER 511.0 + 0.0 KEV 0.0011

1117:	16.	14.	15.	18.	16.	14.	18.	19.	21.
1126:	32.	109.	311.	509.	429.	165.	42.	15.	11.
1135:	18.	15.	16.	11.	10.	8.	8.	14.	11.

% ANTIMONY 564.0 + 0.0 KEV 0.0058

1301:	17.	5.	9.	16.	9.	12.	10.	6.	7.
1310:	11.	9.	7.	11.	8.	10.	13.	11.	7.
1319:	13.	9.	5.	10.	12.	11.	14.	7.	7.

% ARSENIC 657.4 + 0.0 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	92.	852.	0.0011	0.0000	3.8
%-ANTIMONY	564.1	95.	1502.	0.0058	0.0002	2.7
%-ARSENIC	657.4	53.	0.	< 5.6025E-04	NOT DETECTABLE	

4042

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:23:53 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451E-A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11942.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 1627:11 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	12.	13.	20.	12.	14.	25.	17.	36.	48.
1018:	72.	93.	156.	215.	304.	329.	334.	280.	143.
1027:	74.	48.	19.	25.	18.	10.	15.	17.	10.

% COPPER 511.1 ± 0.0 KEV 0 ± 0.021

1117:	26.	26.	28.	29.	28.	25.	33.	30.	49.
1126:	84.	319.	911.	1466.	1159.	459.	92.	18.	8.
1135:	15.	8.	6.	8.	15.	12.	13.	19.	8.

% ANTIMONY 564.1 ± 0.9 KEV 0 ± 0.170

1301:	15.	10.	10.	6.	7.	10.	6.	10.	10.
1310:	9.	11.	6.	11.	15.	7.	8.	14.	8.
1319:	9.	7.	9.	5.	12.	19.	10.	7.	13.

% ARSENIC 657.4 ± 4.0 KEV <0 ± 0.005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	112.	1649.	0.0021	0.0001	2.6
%-ANTIMONY	564.1	92.	4398.	0.0170	0.0003	1.5
%-ARSENIC	657.4	48.	2. < 5.3980E-04			NOT DETECTABLE

4040

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:24:49 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451E-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12235.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 1637:26 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	18.	17.	14.	16.	26.	22.	29.	31.	39.
1018:	51.	81.	169.	263.	350.	426.	350.	294.	165.
1027:	83.	38.	31.	19.	16.	18.	12.	12.	7.

% COPPER 511.0 KEV 0.0024

1117:	21.	30.	34.	24.	27.	24.	30.	32.	54.
1126:	90.	327.	931.	1533.	1321.	502.	92.	24.	7.
1135:	8.	12.	8.	11.	12.	8.	6.	6.	14.

% ANTIMONY 564.0 KEV 0.0179

1301:	12.	8.	12.	10.	8.	13.	9.	12.	12.
1310:	6.	7.	9.	6.	5.	7.	13.	7.	11.
1319:	3.	11.	15.	8.	4.	8.	8.	9.	10.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	99.	1918.	0.0024	0.0001	2.4
%-ANTIMONY	564.1	79.	4717.	0.0179	0.0003	1.5
%-ARSENIC	657.4	44.	-4.	< 5.0847E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:25:45 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451E-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11973.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1
 XXX

ACQUISITION DATE: 15JUL80 1647:41 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
)
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *
 XXX

1009:	16.	16.	21.	21.	18.	22.	33.	25.	36.
1018:	49.	85.	105.	209.	273.	305.	264.	231.	136.
1027:	57.	40.	24.	21.	15.	17.	19.	18.	12.

% COPPER 511.0 KEV 0.0018

1117:	28.	24.	30.	35.	23.	26.	18.	33.	44.
1126:	99.	302.	817.	1410.	1176.	453.	97.	27.	9.
1135:	9.	19.	23.	16.	14.	15.	11.	13.	18.

% ANTIMONY 564.0 KEV 0.0165

1301:	8.	14.	14.	11.	11.	15.	11.	13.	5.
1310:	11.	14.	5.	11.	14.	8.	10.	10.	11.
1319:	12.	7.	5.	15.	15.	13.	15.	11.	10.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	116.	1408.	0.0018	0.0001	2.9
%-ANTIMONY	564.1	99.	4255.	0.0165	0.0003	1.6
%-ARSENIC	657.4	67.	-15.	< 6.3420E-04	NOT DETECTABLE	

4030

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:26:40 AM XXXXXXXXXXXXXXXXXXXXXXX
 XX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451F-4
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12103.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1657:56 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	8.	15.	14.	21.	8.	18.	15.	21.	20.
1018:	27.	50.	85.	124.	179.	185.	164.	129.	71.
1027:	44.	33.	16.	23.	18.	11.	10.	8.	13.

% COPPER 511.0 KEV 0.0011

1117:	10.	13.	13.	17.	13.	15.	7.	18.	28.
1126:	37.	88.	315.	519.	422.	180.	40.	8.	8.
1135:	10.	8.	11.	1.	8.	5.	12.	2.	7.

% ANTIMONY 564.1 KEV 0.0059

1301:	11.	13.	7.	9.	7.	16.	12.	6.	2.
1310:	7.	9.	10.	8.	11.	9.	8.	4.	9.
1319:	11.	10.	9.	7.	3.	9.	1.	7.	9.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	70.	867.	0.0011	0.0000	3.7
%-ANTIMONY	564.1	64.	1537.	0.0059	0.0002	2.7
%-ARSENIC	657.4	40.	6.	< 4.9362E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:27:35 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451F-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12020.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 1708:11 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	12.	13.	12.	11.	12.	13.	11.	14.	22.
1018:	18.	44.	59.	126.	161.	156.	154.	102.	70.
1027:	40.	24.	14.	15.	14.	16.	17.	16.	9.

% COPPER 511.0 00 KEV 0.0010

1117:	13.	17.	10.	9.	14.	16.	15.	11.	24.
1126:	32.	109.	322.	489.	449.	158.	53.	11.	5.
1135:	12.	7.	10.	12.	10.	8.	7.	12.	16.

% ANTIMONY 564.05 KEV 0.0060

1301:	4.	6.	10.	10.	14.	7.	12.	7.	6.
1310:	13.	8.	9.	11.	6.	5.	10.	11.	9.
1319:	7.	8.	7.	3.	7.	12.	6.	10.	2.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	71.	757.	9.7520E-04	3.8712E-05	4.0
%-ANTIMONY	564.1	71.	1541.	0.0060	0.0002	2.7
%-ARSENIC	657.4	43.	0.	< 5.1631E-04	NOT DETECTABLE	

4030

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:28:30 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451F-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11847.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1718:26 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	8.	16.	15.	13.	12.	16.	16.	14.	16.
1018:	17.	59.	73.	118.	156.	188.	140.	133.	63.
1027:	51.	20.	26.	15.	16.	17.	20.	12.	6.

% COPPER 511.0 00 KEV 0.00011

1117:	11.	12.	12.	14.	18.	9.	23.	20.	18.
1126:	32.	120.	306.	491.	366.	163.	27.	4.	11.
1135:	10.	10.	10.	9.	8.	6.	10.	9.	13.

% ANTIMONY 564.0 05 KEV 0.00057

1301:	7.	12.	10.	13.	7.	13.	6.	10.	7.
1310:	15.	11.	7.	9.	7.	14.	9.	15.	11.
1319:	11.	14.	7.	10.	14.	14.	8.	9.	8.

% ARSENIC 657.4 0 KEV <0.00006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	72.	799.	0.0011	0.0000	3.9
%-ANTIMONY	564.1	64.	1441.	0.0057	0.0002	2.8
%-ARSENIC	657.4	55.	-7.	< 5.9267E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:29:25 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451G-A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11873.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1
 XXX

ACQUISITION DATE: 15JUL80 1728:41 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER: 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMTY: 70.00%
 *

1009:	14.	12.	7.	8.	17.	14.	8.	20.	18.
1018:	34.	36.	58.	138.	183.	198.	170.	115.	82.
1027:	48.	30.	17.	15.	16.	16.	11.	8.	10.

% COPPER 511.0 KEV 0.0012

1117:	11.	16.	12.	14.	13.	16.	14.	15.	24.
1126:	36.	80.	309.	488.	417.	159.	26.	14.	6.
1135:	9.	13.	13.	5.	9.	8.	12.	6.	12.

% ANTIMONY 564.0 KEV 0.0057

1301:	11.	8.	12.	6.	10.	7.	12.	10.	5.
1310:	14.	5.	5.	10.	5.	11.	6.	4.	7.
1319:	10.	8.	9.	3.	6.	12.	7.	10.	11.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	65.	879.	0.0012	0.0000	3.6
%-ANTIMONY	564.1	60.	1456.	0.0057	0.0002	2.7
%-ARSENIC	657.4	41.	-4.	< 5.1590E-04	NOT DETECTABLE	

4034

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:33:05 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL \

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451H-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11715.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1809:40 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	20.	20.	17.	17.	30.	36.	35.	38.	42.
1018:	80.	91.	205.	320.	402.	387.	447.	306.	179.
1027:	95.	49.	36.	28.	20.	14.	19.	17.	17.

% COPPER 511.0 KEV 0.0029

1117:	18.	35.	36.	41.	35.	43.	42.	59.	72.
1126:	159.	509.	1539.	2373.	1941.	733.	155.	31.	13.
1135:	11.	10.	14.	9.	8.	10.	10.	14.	6.

% ANTIMONY 564.0 KEV 0.0294

1301:	15.	8.	4.	4.	6.	7.	14.	9.	14.
1310:	8.	7.	8.	9.	8.	10.	10.	9.	8.
1319:	4.	12.	8.	8.	10.	10.	8.	11.	13.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	141.	2105.	0.0029	0.0001	2.3
%-ANTIMONY	564.1	100.	7309.	0.0294	0.0004	1.2
%-ARSENIC	657.4	38.	8.	< 5.1706E-04	NOT DETECTABLE	

4030

XX
 XXXXXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:34:01 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451H-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11825.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1819:54 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	21.	20.	24.	20.	22.	22.	36.	43.	57.
1018:	63.	102.	175.	304.	376.	417.	388.	306.	166.
1027:	99.	57.	40.	27.	24.	21.	22.	14.	20.

% COPPER 511.0 KEV 0.0028

1117:	28.	36.	32.	33.	36.	37.	30.	62.	63.
1126:	136.	452.	1426.	2342.	1882.	750.	133.	26.	9.
1135:	10.	10.	15.	8.	10.	7.	10.	11.	11.

% ANTIMONY 564.0 KEV 0.0281

1301:	9.	12.	10.	14.	9.	8.	11.	12.	8.
1310:	8.	13.	13.	10.	8.	13.	10.	8.	8.
1319:	8.	6.	12.	13.	8.	11.	6.	11.	12.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	118.	2014.	0.0028	0.0001	2.4
%-ANTIMONY	564.1	90.	7031.	0.0281	0.0003	1.2
%-ARSENIC	657.4	51.	1. < 5.8907E-04			NOT DETECTABLE

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:34:56 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451L-A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11898.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.FAB1

XX
 *
 ACQUISITION DATE: 15JUL80 1830:09 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	14.	9.	14.	20.	14.	8.	20.	9.	20.
1018:	33.	29.	55.	108.	134.	148.	141.	114.	66.
1027:	42.	22.	17.	16.	13.	13.	13.	11.	11.

% COPPER 511.0 KEV 0.0005

1117:	35.	108.	175.	169.	66.	21.	20.	21.	19.
1126:	45.	92.	283.	476.	403.	137.	42.	9.	18.
1135:	12.	11.	16.	10.	6.	9.	10.	6.	8.

% ANTIMONY 564.0 KEV 0.0056

1301:	6.	7.	11.	7.	9.	4.	7.	12.	11.
1310:	6.	8.	19.	12.	23.	29.	33.	18.	9.
1319:	10.	12.	15.	6.	12.	8.	13.	9.	7.

% ARSENIC 657.4 KEV 0.0012

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	93.	673.	9.4348E-04	4.1146E-05	4.4
%-ANTIMONY	564.1	68.	1410.	0.0056	0.0002	2.8
%-ARSENIC	657.4	43.	73.	0.0012	0.0002	17.3

4023

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:35:51 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451I-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12308.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1840:24 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	11.	8.	14.	16.	10.	13.	14.	21.	29.
1018:	29.	59.	95.	130.	179.	182.	193.	141.	82.
1027:	48.	24.	21.	11.	22.	18.	15.	12.	13.

% COPPER 511.0 KEV 0.0013

1117:	5.	14.	14.	8.	18.	20.	14.	23.	28.
1126:	25.	105.	302.	442.	391.	132.	29.	19.	12.
1135:	9.	11.	10.	16.	14.	8.	15.	10.	10.

% ANTIMONY 564.0 KEV 0.0052

1301:	12.	8.	8.	8.	10.	11.	9.	11.	10.
1310:	12.	7.	9.	8.	10.	13.	9.	16.	10.
1319:	8.	5.	6.	13.	13.	5.	15.	13.	13.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
Z-COPPER	511.0	85.	917.	0.0013	0.0000	3.6
Z-ANTIMONY	564.1	84.	1342.	0.0052	0.0001	2.9
Z-ARSENIC	657.4	52.	6.	< 5.7622E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:36:46 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451J-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10436.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1850:39 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	12.	15.	10.	10.	12.	14.	22.	15.	18.
1018:	20.	44.	82.	126.	172.	162.	168.	133.	79.
1027:	52.	27.	18.	17.	16.	14.	7.	10.	14.

% COPPER 511.0 00 KEV 0.0013

1117:	11.	13.	13.	6.	13.	16.	11.	17.	22.
1126:	37.	75.	238.	402.	262.	124.	37.	11.	15.
1135:	16.	12.	11.	9.	10.	15.	7.	7.	12.

% ANTIMONY 564.05 KEV 0.0050

1301:	14.	11.	14.	13.	4.	10.	13.	15.	5.
1310:	12.	9.	9.	11.	14.	18.	10.	13.	9.
1319:	8.	12.	12.	3.	15.	9.	9.	6.	14.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	97.	825.	0.0013	0.0001	3.9
%-ANTIMONY	564.1	77.	1098.	0.0050	0.0002	3.2
%-ARSENIC	657.4	47.	19.	< 6.5132E-04		NOT DETECTABLE

4023

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:37:41 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451J-A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12178.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 1900:54 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	25.	17.	22.	23.	20.	21.	25.	40.	37.
1018:	56.	87.	140.	247.	353.	320.	348.	285.	183.
1027:	82.	63.	33.	19.	24.	11.	19.	16.	6.

% COPPER 511.0 KEV 0.0025

1117:	23.	41.	56.	77.	46.	37.	43.	54.	57.
1126:	136.	467.	1394.	2450.	2011.	769.	140.	27.	12.
1135:	10.	10.	11.	7.	18.	8.	6.	5.	9.

% ANTIMONY 564.0 KEV 0.0285

1301:	4.	6.	8.	7.	13.	13.	14.	6.	10.
1310:	6.	15.	7.	3.	13.	9.	11.	13.	14.
1319:	7.	12.	7.	7.	10.	10.	11.	9.	14.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	129.	1747.	0.0025	0.0001	2.6
%-ANTIMONY	564.1	78.	7289.	0.0285	0.0003	1.2
%-ARSENIC	657.4	47.	-3.	< 5.6084E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:38:37 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451J-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12105.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN, RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 1911:10 * FWHM(1332) 2.001
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	16.	23.	16.	35.	32.	31.	25.	27.	42.
1018:	68.	84.	174.	234.	349.	415.	363.	287.	157.
1027:	107.	50.	44.	25.	16.	23.	21.	21.	9.

% COPPER 511.0 KEV 0.0026

1117:	27.	40.	59.	56.	48.	37.	39.	55.	61.
1126:	117.	473.	1417.	2485.	2126.	849.	169.	32.	15.
1135:	15.	12.	11.	12.	11.	12.	11.	16.	16.

% ANTIMONY 564.1 KEV 0.0296

1301:	8.	17.	21.	12.	14.	16.	9.	10.	10.
1310:	7.	10.	13.	9.	14.	20.	19.	11.	6.
1319:	9.	4.	10.	15.	12.	8.	18.	10.	8.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	144.	1836.	0.0026	0.0001	2.5
%-ANTIMONY	564.1	117.	7519.	0.0296	0.0003	1.2
%-ARSENIC	657.4	72.	4.	< 6.8869E-04	NOT DETECTABLE	

4024

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:39:32 AM XXXXXXXXXXXXXXXXXXXX
 XXXXXXXXXXXXXXXXXXXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451J-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12143.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 1921:25 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	19.	29.	31.	27.	25.	22.	28.	39.	57.
1018:	49.	98.	155.	273.	353.	369.	311.	264.	157.
1027:	93.	45.	31.	23.	33.	18.	21.	18.	23.

% COPPER 511.0 00 KEV 0.0025

1117:	26.	50.	55.	60.	40.	29.	33.	38.	66.
1126:	151.	467.	1387.	2379.	1913.	756.	117.	24.	8.
1135:	9.	16.	15.	15.	13.	11.	11.	11.	15.

% ANTIMONY 564.09 KEV 0.0278

1301:	13.	16.	10.	11.	9.	7.	13.	17.	10.
1310:	12.	9.	16.	10.	17.	17.	11.	11.	13.
1319:	10.	9.	5.	4.	11.	11.	17.	18.	13.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	118.	1764.	0.0025	0.0001	2.5
%-ANTIMONY	564.1	106.	7064.	0.0278	0.0003	1.2
%-ARSENIC	657.4	57.	14.	< 6.2051E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:40:27 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451K-A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12417.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 1931:40 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	17.	15.	8.	15.	14.	15.	13.	16.	20.
1018:	17.	35.	84.	114.	131.	144.	141.	120.	75.
1027:	44.	24.	15.	15.	13.	11.	17.	10.	10.

% COPPER 511.0 KEV 0.0011

1117:	10.	15.	16.	13.	9.	17.	13.	25.	17.
1126:	46.	122.	329.	521.	403.	174.	43.	9.	7.
1135:	5.	10.	8.	8.	6.	11.	10.	12.	6.

% ANTIMONY 564.0 KEV 0.0061

1301:	8.	8.	9.	9.	9.	7.	11.	4.	11.
1310:	8.	7.	10.	15.	4.	5.	9.	9.	6.
1319:	3.	6.	12.	7.	8.	11.	5.	4.	9.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	50.	759.	0.0011	0.0000	3.9
%-ANTIMONY	564.1	62.	1576.	0.0061	0.0002	2.6
%-ARSENIC	657.4	39.	5.	< 5.0874E-04	NOT DETECTABLE	

4022

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:42:18 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451K-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12077.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 1952:09 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	10.	14.	19.	13.	12.	7.	15.	13.	22.
1018:	24.	31.	44.	99.	110.	138.	112.	98.	47.
1027:	26.	12.	18.	12.	10.	10.	12.	8.	6.

% COPPER 511.0 KEV 0.0005

1117:	8.	9.	6.	10.	12.	20.	11.	12.	22.
1126:	31.	124.	343.	539.	444.	178.	32.	13.	10.
1135:	10.	8.	8.	15.	12.	10.	5.	5.	4.

% ANTIMONY 564.0 KEV 0.0054

1301:	7.	8.	7.	9.	11.	8.	7.	7.	7.
1310:	7.	11.	10.	6.	8.	9.	6.	6.	10.
1319:	8.	8.	9.	7.	6.	5.	11.	7.	5.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	76.	572.	8.5035E-04	4.0072E-05	4.7
%-ANTIMONY	564.1	79.	1612.	0.0064	0.0002	2.6
%-ARSENIC	657.4	40.	2. <	5.3402E-04	NOT DETECTABLE	

4020

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:43:13 AM XXXXXXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451L-A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 10325.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 2002:23 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	10.	5.	11.	8.	13.	10.	7.	18.	9.
1018:	17.	26.	45.	78.	116.	135.	112.	91.	47.
1027:	23.	14.	16.	18.	8.	13.	5.	6.	10.

% COPPER 511.0 00 KEV 0.0010

1117:	8.	5.	13.	8.	7.	8.	15.	11.	17.
1126:	29.	87.	287.	423.	376.	153.	29.	8.	8.
1135:	7.	5.	6.	9.	3.	5.	6.	9.	5.

% ANTIMONY 564.09 KEV 0.0062

1301:	8.	12.	8.	7.	7.	8.	7.	6.	3.
1310:	6.	7.	4.	10.	6.	4.	6.	10.	8.
1319:	12.	8.	5.	1.	1.	9.	7.	4.	5.

% ARSENIC 657.40 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	69.	555.	9.7524E-04	4.6259E-05	4.7
%-ANTIMONY	564.1	43.	1341.	0.0062	0.0002	2.8
%-ARSENIC	657.4	32.	-1.	< 5.7007E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:44:08 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451L-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11871.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN, RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 2012:38 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	11.	13.	9.	12.	14.	19.	15.	16.	18.
1018:	19.	40.	57.	97.	140.	120.	128.	106.	52.
1027:	41.	25.	20.	5.	10.	9.	5.	7.	4.

% COPPER 511.0 KEV 0.0010

1117:	9.	13.	14.	19.	17.	17.	22.	19.	18.
1126:	42.	102.	289.	562.	407.	175.	25.	8.	6.
1135:	3.	7.	7.	9.	14.	10.	6.	5.	10.

% ANTIMONY 564.0 KEV 0.0053

1301:	8.	9.	7.	7.	10.	11.	11.	6.	11.
1310:	4.	7.	10.	9.	4.	12.	7.	10.	7.
1319:	6.	10.	6.	8.	7.	9.	7.	4.	6.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	62.	638.	9.8406E-04	4.2592E-05	4.3
%-ANTIMONY	564.1	55.	1547.	0.0063	0.0002	2.6
%-ARSENIC	657.4	40.	-6.	< 5.4820E-04	NOT DETECTABLE	

4018

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:45:03 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q451L-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11974.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN, RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 2022:54 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 601. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELC-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	6.	13.	4.	6.	15.	10.	11.	13.	23.
1018:	23.	33.	65.	110.	150.	137.	145.	80.	49.
1027:	31.	23.	7.	18.	12.	6.	13.	4.	4.

% COPPER 511.0 + 0.0 KEV 0.0010

1117:	10.	8.	7.	9.	9.	6.	5.	17.	17.
1126:	32.	114.	303.	483.	419.	143.	39.	8.	5.
1135:	5.	5.	7.	8.	1.	6.	5.	3.	8.

% ANTIMONY 564.0 KEV 0.0060

1301:	5.	9.	5.	3.	12.	4.	10.	10.	7.
1310:	7.	7.	6.	10.	8.	5.	4.	3.	9.
1319:	2.	14.	9.	6.	5.	6.	9.	9.	11.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	62.	674.	0.0010	0.0000	4.2
%-ANTIMONY	564.1	53.	1480.	0.0060	0.0002	2.7
%-ARSENIC	657.4	34.	2.	< 5.0985E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:46:53 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456D-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11668.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.FAB1

XX

ACQUISITION DATE: 15JUL80 2043:24 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	59.	53.	50.	63.	66.	100.	125.	166.	276.
1018:	434.	819.	1550.	2431.	3370.	3818.	3540.	2496.	1488.
1027:	737.	391.	221.	89.	52.	21.	29.	10.	13.

% COPPER 511.00 KEV 0.0299

1117:	7.	16.	8.	4.	6.	12.	11.	9.	5.
1126:	13.	36.	64.	116.	109.	65.	10.	7.	12.
1135:	12.	10.	7.	7.	8.	6.	4.	9.	6.

% ANTIMONY 564.05 KEV 0.0015

1301:	6.	4.	5.	6.	5.	6.	10.	14.	2.
1310:	5.	7.	7.	12.	15.	4.	6.	8.	4.
1319:	8.	11.	13.	8.	8.	6.	10.	5.	6.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	123.	18570.	0.0299	0.0002	0.8
%-ANTIMONY	564.1	57.	356.	0.0015	0.0001	6.1
%-ARSENIC	657.4	32.	13.	< 5.0997E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:47:48 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456D-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12117.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1
 XXX

ACQUISITION DATE: 15JUL80 2053:38 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	38.	44.	51.	65.	59.	78.	91.	179.	307.
1018:	487.	787.	1480.	2553.	3452.	3870.	3331.	2630.	1526.
1027:	732.	374.	190.	84.	45.	24.	19.	13.	11.

% COPPER 511.0 KEV 0.0293

1117:	7.	12.	6.	8.	8.	10.	14.	5.	5.
1126:	14.	45.	73.	120.	92.	42.	12.	5.	6.
1135:	5.	11.	12.	5.	8.	8.	6.	9.	10.

% ANTIMONY 564.0 KEV 0.0014

1301:	8.	10.	12.	5.	8.	7.	10.	6.	2.
1310:	2.	5.	6.	7.	14.	9.	9.	2.	10.
1319:	6.	9.	5.	8.	6.	1.	4.	4.	7.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	134.	18708.	0.0293	0.0002	0.8
%-ANTIMONY	564.1	48.	350.	0.0014	0.0001	6.0
%-ARSENIC	657.4	33.	12.	< 5.0033E-04	NOT DETECTABLE	

4014

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 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:48:43 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456E-A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12294.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 2103:53 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 602. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%

XX

1009:	39.	41.	53.	63.	69.	79.	125.	170.	302.
1018:	454.	850.	1525.	2590.	3645.	4018.	3576.	2673.	1603.
1027:	799.	383.	191.	98.	48.	35.	27.	19.	11.

% COPPER 511.0 KEV 0.0304

1117:	10.	5.	10.	9.	12.	9.	4.	10.	13.
1126:	14.	30.	77.	129.	110.	29.	15.	15.	8.
1135:	9.	9.	6.	11.	15.	8.	2.	3.	8.

% ANTIMONY 564.05 KEV 0.0013

1301:	6.	3.	10.	8.	9.	3.	7.	5.	8.
1310:	5.	10.	10.	9.	9.	8.	10.	12.	5.
1319:	6.	9.	6.	8.	4.	5.	8.	5.	16.

% ARSENIC 657.40 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	148.	19482.	0.0304	0.0002	0.8
%-ANTIMONY	564.1	67.	338.	0.0013	0.0001	6.4
%-ARSENIC	657.4	32.	11.	< 4.8838E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:49:38 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456E-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12154.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 2114:07 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	42.	56.	59.	46.	56.	95.	111.	198.	306.
1018:	483.	823.	1701.	2841.	3644.	4266.	3849.	2767.	1610.
1027:	746.	350.	210.	101.	59.	32.	19.	23.	10.

% COPPER 511.0 KEV 0.0327

1117:	7.	8.	13.	14.	10.	9.	11.	9.	13.
1126:	11.	37.	84.	132.	116.	38.	19.	5.	6.
1135:	11.	10.	8.	5.	8.	6.	8.	4.	13.

% ANTIMONY 564.0 KEV 0.0015

1301:	10.	12.	12.	5.	6.	8.	6.	14.	4.
1310:	9.	8.	10.	8.	7.	11.	8.	7.	8.
1319:	8.	13.	7.	5.	6.	5.	8.	9.	8.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	155.	20523.	0.0327	0.0002	0.7
%-ANTIMONY	564.1	55.	382.	0.0015	0.0001	5.8
%-ARSENIC	657.4	38.	4.	< 5.4044E-04	NOT DETECTABLE	

4012

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 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:50:33 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: 0456E-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12174.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 2124:22 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	41.	51.	54.	64.	53.	94.	120.	193.	307.
1018:	454.	794.	1478.	2496.	3479.	4021.	3478.	2709.	1547.
1027:	720.	367.	188.	101.	49.	29.	18.	10.	10.

% COPPER 511.0 KEV 0.0306

1117:	13.	13.	14.	12.	5.	9.	7.	12.	9.
1126:	22.	35.	90.	131.	96.	50.	21.	16.	6.
1135:	9.	10.	18.	4.	7.	9.	11.	12.	10.

% ANTIMONY 564.0 KEV 0.0015

1301:	11.	12.	7.	10.	7.	6.	5.	7.	12.
1310:	6.	6.	7.	7.	5.	6.	3.	7.	7.
1319:	7.	10.	10.	7.	9.	11.	5.	7.	11.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	139.	19069.	0.0306	0.0002	0.8
%-ANTIMONY	564.1	72.	373.	0.0015	0.0001	6.1
%-ARSENIC	657.4	41.	-10.	< 5.5801E-04	NOT DETECTABLE	

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 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:51:28 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456F-A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 13084.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1
 XXX

ACQUISITION DATE: 15JUL80 2134:37 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00Z
 *

1009:	58.	62.	53.	65.	78.	78.	142.	195.	333.
1018:	522.	975.	1740.	2856.	3941.	4207.	3847.	2845.	1642.
1027:	792.	371.	220.	103.	59.	32.	22.	17.	16.

% COPPER 511.0 KEV 0.0315

1117:	8.	9.	12.	16.	11.	7.	10.	8.	12.
1126:	18.	48.	80.	145.	100.	50.	10.	12.	9.
1135:	9.	15.	12.	10.	10.	7.	11.	12.	7.

% ANTIMONY 564.0 KEV 0.0015

1301:	12.	3.	7.	3.	4.	13.	13.	6.	4.
1310:	6.	12.	8.	9.	8.	14.	10.	11.	9.
1319:	8.	11.	6.	6.	10.	11.	6.	11.	11.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	169.	20909.	0.0315	0.0002	0.7
%-ANTIMONY	564.1	62.	391.	0.0015	0.0001	5.8
%-ARSENIC	657.4	37.	6.	< 3.0043E-04	NOT DETECTABLE	

4019

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:52:23 AM XXXXXXXXXXXXXXXXXXXX
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00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456F-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12918.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 2144:52 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	43.	52.	47.	67.	88.	102.	132.	202.	308.
1018:	532.	835.	1730.	2824.	3843.	4291.	3750.	2913.	1718.
1027:	829.	430.	218.	111.	47.	35.	17.	23.	14.

% COPPER 511.0 KEV 0.0322

1117:	10.	6.	12.	9.	11.	9.	11.	11.	16.
1126:	12.	26.	89.	137.	120.	48.	13.	10.	9.
1135:	8.	8.	5.	5.	7.	10.	7.	8.	10.

% ANTIMONY 564.09 KEV 0.0014

1301:	10.	15.	12.	9.	8.	12.	11.	10.	9.
1310:	11.	4.	7.	7.	10.	7.	9.	12.	5.
1319:	9.	12.	8.	10.	8.	12.	5.	12.	16.

% ARSENIC 657.40 KEV <0.0004

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	162.	20907.	0.0322	0.0002	0.7
%-ANTIMONY	564.1	77.	371.	0.0014	0.0001	6.2
%-ARSENIC	657.4	52.	-7.	< 5.9269E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:55:09 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456G-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11871.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 2215:44 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	53.	49.	51.	58.	70.	82.	114.	164.	268.
1018:	440.	808.	1515.	2490.	3342.	3753.	3358.	2487.	1418.
1027:	674.	347.	191.	102.	42.	34.	24.	27.	15.

% COPPER 511.0 KEV 0.0313

1117:	10.	13.	8.	15.	15.	17.	11.	16.	14.
1126:	22.	30.	76.	129.	109.	63.	17.	13.	12.
1135:	5.	18.	17.	13.	12.	18.	14.	13.	11.

% ANTIMONY 564.0 KEV 0.0014

1301:	9.	12.	8.	6.	10.	11.	13.	7.	8.
1310:	17.	5.	6.	13.	16.	9.	11.	8.	15.
1319:	11.	12.	10.	13.	12.	15.	9.	11.	9.

% ARSENIC 657.40 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	167.	18196.	0.0313	0.0002	0.8
%-ANTIMONY	564.1	97.	349.	0.0014	0.0001	6.7
%-ARSENIC	657.4	54.	6.	< 6.6539E-04	NOT DETECTABLE	

4000

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:56:04 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456G-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12007.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 2226:04 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 603. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	47.	46.	41.	48.	51.	75.	125.	162.	257.
1018:	432.	774.	1366.	2370.	3227.	3432.	3164.	2353.	1493.
1027:	643.	322.	189.	96.	48.	20.	16.	20.	22.

% COPPER 511.1 ± 0.0 KEV 0.0296

1117:	15.	17.	15.	11.	12.	17.	13.	8.	14.
1126:	16.	24.	71.	116.	91.	57.	15.	13.	11.
1135:	10.	9.	10.	7.	13.	10.	16.	10.	11.

% ANTIMONY 564.1 ± 0.9 KEV 0.0013

1301:	3.	15.	6.	9.	7.	8.	6.	8.	12.
1310:	10.	15.	7.	17.	11.	14.	10.	11.	7.
1319:	7.	12.	14.	8.	8.	5.	8.	6.	8.

% ARSENIC 657.4 ± 0.0 KEV < 0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	134.	17211.	0.0296	0.0002	0.8
%-ANTIMONY	564.1	72.	318.	0.0013	0.0001	6.8
%-ARSENIC	657.4	40.	20.	< 5.7802E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:57:00 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: U456H-A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11731.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 2236:18 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0:5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	64.	62.	59.	57.	84.	101.	131.	194.	334.
1018:	544.	956.	1745.	2957.	4050.	4495.	4050.	2931.	1681.
1027:	873.	444.	238.	113.	87.	46.	29.	28.	20.

% COPPER 511.1 + 0.0 KEV 0.0385

1117:	32.	45.	33.	28.	47.	65.	65.	77.	105.
1126:	217.	857.	2529.	4068.	3271.	1166.	233.	31.	14.
1135:	15.	10.	9.	7.	12.	13.	17.	9.	9.

% ANTIMONY 564.1 + 0.9 KEV 0.0515

1301:	12.	15.	3.	8.	8.	17.	7.	7.	9.
1310:	13.	15.	9.	9.	11.	10.	14.	8.	7.
1319:	16.	9.	14.	8.	5.	11.	8.	8.	12.

% ARSENIC 657.4 + 4.0 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	238.	21671.	0.0385	0.0003	0.7
%-ANTIMONY	564.1	113.	12228.	0.0515	0.0005	0.9
%-ARSENIC	657.4	46.	8.	< 6.3049E-04	NOT DETECTABLE	

4004

XX
 XXXXXXXXXXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:57:55 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456H-B
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 11091.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 2246:36 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	65.	68.	60.	66.	89.	93.	141.	218.	311.
1018:	534.	900.	1789.	2746.	3850.	4162.	3752.	2715.	1688.
1027:	832.	415.	219.	115.	83.	37.	44.	32.	24.

% COPPER 511.0 KEV 0.0388

1117:	31.	30.	37.	46.	45.	62.	87.	70.	83.
1126:	200.	749.	2410.	3938.	3089.	1196.	239.	26.	20.
1135:	9.	10.	14.	13.	11.	14.	9.	15.	8.

% ANTIMONY 564.1 KEV 0.0522

1301:	10.	15.	12.	12.	5.	10.	11.	11.	7.
1310:	11.	12.	8.	9.	11.	5.	8.	13.	16.
1319:	14.	10.	11.	8.	7.	8.	9.	7.	9.

% ARSENIC 657.4 KEV <0.0007

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	233.	20469.	0.0388	0.0003	0.7
%-ANTIMONY	564.1	123.	11699.	0.0522	0.0005	0.9
%-ARSENIC	657.4	47.	-2.	< 6.7664E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:58:50 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456H-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12425.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX

ACQUISITION DATE: 15JUL80 2256:55 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.

XX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

XX

1009:	48.	48.	60.	80.	92.	101.	153.	223.	339.
1018:	548.	1001.	1956.	3111.	4121.	4534.	4128.	3019.	1688.
1027:	862.	443.	223.	121.	59.	40.	31.	24.	26.

% COPPER 511.0 KEV 0.0381

1117:	31.	33.	39.	49.	44.	61.	58.	73.	112.
1126:	246.	873.	2559.	4274.	3327.	1267.	242.	34.	16.
1135:	18.	12.	11.	8.	11.	15.	11.	13.	13.

% ANTIMONY 564.0 KEV 0.0505

1301:	12.	10.	7.	8.	12.	9.	10.	17.	6.
1310:	14.	9.	11.	7.	9.	11.	9.	9.	7.
1319:	10.	6.	13.	9.	9.	13.	10.	10.	10.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGD	AREA	CONCENTR.	1 SIGMA ERROR	%ERROR
%-COPPER	511.0	231.	22326.	0.0381	0.0003	0.7
%-ANTIMONY	564.1	127.	12661.	0.0505	0.0005	0.9
%-ARSENIC	657.4	49.	-2.	< 6.1863E-04	NOT DETECTABLE	

4002

XX
 XXXXXXXXXXXXXXXXXXXXXXX 16 JUL 1980 8:59:45 AM XXXXXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456I-A
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12261.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 2307:14 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 605. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *

XX
 *
 DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *

1009:	66.	77.	90.	76.	96.	113.	172.	227.	311.
1018:	525.	923.	1771.	2977.	4018.	4344.	4065.	2990.	1734.
1027:	900.	422.	215.	140.	73.	48.	20.	22.	15.

% COPPER 511.1 ± 0.0 KEV 0.0379

1117:	34.	30.	37.	51.	42.	30.	53.	72.	116.
1126:	232.	790.	2501.	4082.	3392.	1292.	256.	25.	16.
1135:	11.	8.	7.	11.	7.	6.	11.	12.	10.

% ANTIMONY 564.1 KEV 0.0504

1301:	8.	7.	3.	9.	6.	8.	6.	15.	12.
1310:	7.	7.	9.	7.	8.	14.	11.	12.	6.
1319:	6.	8.	6.	5.	9.	7.	4.	9.	12.

% ARSENIC 657.4 KEV <0.0005

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	234.	21665.	0.0379	0.0003	0.7
%-ANTIMONY	564.1	113.	12432.	0.0504	0.0005	0.9
%-ARSENIC	657.4	34.	19.	< 5.3159E-04	NOT DETECTABLE	

XX
 XXXXXXXXXXXXXXXXXXXX 16 JUL 1980 9:01:36 AM XXXXXXXXXXXXXXXXXXXX
 XXX

00707020 RF GREENKILL

SAMPLE DATE: 15JUL80 1209:00
 SAMPLE IDENTIFICATION: Q456I-C
 TYPE OF SAMPLE: UNKNOWN
 SAMPLE QUANTITY: 12892.00 UNITS: UG
 SAMPLE GEOMETRY: 5MIN. RT4
 EFFICIENCY FILE NAME: EFF.TAB1

XX
 *
 ACQUISITION DATE: 15JUL80 2327:52 * FWHM(1332) 2.004
 PRESET TIME(LIVE): 600. SEC * SENSITIVITY: 5.000
 ELAPSED REAL TIME: 604. SEC * SHAPE PARAMETER : 15.0 %
 ELAPSED LIVE TIME: 600. SEC * NBR ITERATIONS: 10.
 *
 XXX

DETECTOR: GELI-15A * LIBRARY:NUCL.LIB1
 DATE CALIBRATED: 15JUL80 1354:00 * ENERGY TOLERANCE: 2.000KV
 KEV/CHNL: 0.5001818 * HALF LIFE RATIO: 8.00
 OFFSET: -0.6345651 KEV * ABUNDANCE LIMIT: 70.00%
 *
 XXX

1009:	51.	77.	58.	83.	73.	113.	143.	219.	325.
1018:	558.	1002.	1767.	2920.	4038.	4358.	3874.	2923.	1648.
1027:	803.	419.	231.	105.	70.	53.	27.	35.	22.

% COPPER 511.0 KEV 0.0360

1117:	29.	35.	38.	41.	48.	49.	63.	62.	78.
1126:	229.	654.	2448.	4101.	3258.	1194.	224.	24.	11.
1135:	19.	11.	10.	15.	16.	10.	14.	13.	15.

% ANTIMONY 564.0 KEV 0.0472

1301:	10.	8.	2.	17.	9.	7.	7.	6.	4.
1310:	11.	12.	10.	12.	12.	16.	11.	6.	9.
1319:	8.	4.	6.	5.	6.	9.	7.	12.	13.

% ARSENIC 657.4 KEV <0.0006

UNKNOWN SAMPLE REPORT

ELEMENT	PEAK ENERGY	BKGND	AREA	CONCENTR.	1 SIGMA ERROR	ZERROR
%-COPPER	511.0	248.	21280.	0.0360	0.0003	0.7
%-ANTIMONY	564.1	104.	12204.	0.0472	0.0004	0.9
%-ARSENIC	657.4	41.	16.	< 5.5944E-04	NOT DETECTABLE	

Resubmit
Evidence

June 6, 1980

06610007

Mr. William E. Webster, Director
Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

86 RF

Attention: [redacted]
Elemental Analysis Unit

b6
b7C

QY

Reference: Criminal Homicide/Murder
Victims: James Waller and others
Suspects: [redacted] and others
G.P.D. No.: 79-0145368

Dear Mr. Webster:

This is a follow-up correspondence to a telephone conversation between [redacted] and Assistant District Attorney [redacted]. I am sending by registered mail the following items. Each item bears the identifying number previously assigned to it by your agency:

b6
b7C

Q452, Q453, Q1036, Q1037, Q1038, Q1039, Q1042, Q1043, Q1044.

Please conduct examinations as per the conversation between [redacted] and [redacted]. This evidence, which should be returned to us, has not been nor will it be examined by any other agency. The results will be used in a criminal prosecution. If you have any questions concerning this evidence, please contact Assistant District Attorney [redacted] at [redacted] or [redacted] at [redacted].

b6
b7C

Yours truly,

W. E. Swing
Chief of Police

J. W. Hilliard, Commander
Staff Services Division

WES/JWH/1h/56

COPY AND SPECIMENS
RETAINED IN LAB FOR
LAB ACTION AND REPORT

INDEX FILE

Resubmitted
Q1060

6

June 6, 1980

00616072-S

Mr. William E. Webster, Director
Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

8b - RF

Attention: [redacted]
Elemental Analysis Unit

b6
//b7C

Reference: Criminal Homicide/Murder
Victims: James Waller and others
Suspects: [redacted] and others
G.P.D. No.: 79-0145368

Dear Mr. Webster:

This is a follow-up correspondence to a telephone conversation between [redacted] and Assistant District Attorney [redacted] sending by registered mail the following items. Each item bears the identifying number previously assigned to it by your agency:

I am b6
b7C

Received
this
5/8

{ Q452, Q453, Q1036, Q1037, Q1038, Q1039, Q1042, Q1043, Q1044.

Q1062

See
Q1060 cover

Please conduct examinations as per the conversation between [redacted] and [redacted]. This evidence, which should be returned to us, has not been nor will it be examined by any other agency. The results will be used in a criminal prosecution. If you have any questions concerning this evidence, please contact Assistant District Attorney [redacted] at [redacted] or [redacted] at [redacted].

b6
b7C

Rec
6/13

Yours truly,

W. E. Swing
Chief of Police

Reg. Mail
#45215
6/13/80

J. W. Hilliard, Commander
Staff Services Division

WES/JWE/1h/56

RECEIVED
JUN 11 1980

GREENSBORO, NC
(City, State)

PD
(Agency)

Date Recd. in ECC 6-16-80
By MRS
(Initials)
00616074-S

Laboratory # _____

Delivered to _____
(Primary Examiner or Unit)

On _____
(Date)

Shipping Method and Number

6-13-80

- Registered # 45215
- Certified # _____
- United Parcel Service # _____
- Express # _____
- Airline _____
- First Class
- Regular Mail
- Other _____
- Personal Delivery From: _____

(Name)

Evidence Should Be

- Mailed Back
- Picked Up by Contributor

Recd.:

- Letter Only
- Letter With Evidence Envelope Attached.

_____ box (es)
 _____ bag (s)
 _____ envelope (s)
 _____ vial (s)
 _____ object (s)

- Recd. Sealed
 Opened

By _____

Other Details:



b6
b7c

HAS EVIDENCE

Agency submitting evidence
Chief of Police
300 West WASHINGTON STREET
Greensboro, North Carolina

Date
July 7, 1980

Laboratory #
00707020

Delivered by [Redacted] Accepted by [Redacted] b6 b7C

Suspect [Redacted] & Others Victim **JAMES WALLER, WILLIAM SAMPSON & Others**

Offense **Criminal HOMICIDE/MURDER** Place and date of offense **Greensboro, N.C.**

Brief Facts covering case
Resubmitted Q451, Q454 - Q456

Prev. exams this case Yes No Evid. located Room # **3342E** Report to be directed to **Chief of Police**

Copies to Evidence to be returned to **P.D.**

Date of hearing, grand jury, trial, or reason why expeditious handling is necessary
Trial in Progress

Evidence

(This space for blocking)

(Use reverse side if necessary for additional evidence)